CAPACITY STATEMENT

JBRSOFT

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Intent

This statement emphasizes our company's proven expertise and capability in catering to our customer's needs.

Company Profile

Registered Name	**JBRSOFT Limited**
Incorporated in	Bangladesh
Tax Pair Identification (TIN) No	227220257681
Trade License Number	TRAD/DNCC/007249/2024
Trade License Registration Year	2016
Business Identification Number (BIN)	BIN-001931875-0101
Unique Entity ID from the US System for Award Management (SAM)	EL8VFALKJKG7
NATO Procurement and Agency Code (NCAGE)	SSMP9
UNGM Vendor ID	655427
Business Address	Ground Floor, House # 19, Road # 20, Nikunja-2, Dhaka-1229, Bangladesh
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Introductory statement

Since its inception in 2016, JBRSOFT has been a beacon of entrepreneurial spirit, dedicated to crafting innovative and practical software solutions tailored to the diverse needs of its clients. With a commitment to delivering unparalleled services, JBRSOFT has emerged as a trailblazer in the realm of software development, specializing in a wide array of domains including Enterprise Resource Planning (ERP), IT consulting, Software Testing and Quality Assurance, and cutting-edge web and mobile application development.

JBRSOFT's influence extends globally, with a notable presence in national and international projects. The company has played a pivotal role in shaping custom applications for esteemed organizations, including collaborations with the Bangladesh Government under the Ministry of Health and Family Welfare. The company has undertaken projects related to One Health, focusing on areas such as Antimicrobial Resistance (AMR) surveillance in the human health sector, reporting and monitoring of the Adverse Events Following Immunization (AEFI), antimicrobial consumption surveillance by the "Dispensary" solution, monitoring and implementation of iPCAMS application for the infection prevention & control and antimicrobial stewardship programs, mHealth solution for the standard treatment guideline and health business process automation.

JBRSOFT's exceptional software development staff, armed with talent, training, and experience across multiple platforms, remains the backbone of the company's success. Over the years, JBRSOFT has evolved into a dynamic and influential force in the software industry, driven by its unrelenting pursuit of excellence and its fervent dedication to pushing the boundaries of innovation.

Mission statement

JBRSOFT has formulated a guiding mission statement that illuminates our organizational ethos and operational principles. Our core mission revolves around empowering institutions, societies, and governments with state-of-the-art technologies, exhaustive research, and strategic collaborations to tackle the intricate global health challenges. This pursuit is interwoven with our unwavering commitment to foster innovation and uphold practices that ensure enduring sustainability.

At JBRSOFT, our determination to lead the charge in driving positive transformations remains steadfast. We achieve this by delivering ingenious solutions that enhance healthcare systems, catalyze sustainable advancement, and address the complexities of Antimicrobial Resistance through a holistic One Health approach.

Summary statement

- Coordination with Ministry of Health and Family Welfare (MoHFW) and Local Government.
- 6 Years Presence in Antimicrobial Resistance Surveillance and relevant sectors such as IPC, AMS and AMU/AMC.
- Networking with USAID, UKAID, Action Against Hunger, WFP and other implementing partners.

- Working experiences in Digital System development for Health, Communication, Agriculture.
- eLearning modules development
- Data collection, visualization, dashboard development, data driven advocacy, planning and policy.
- Laboratory strengthening and capacity development of public and private microbiology's facilities in Bangladesh
- National level surveillance platform developments and implementations.
- Experiences in Social Behavior Change system strengthening.
- Vast experiences in conducting assessment and evaluation through cross sectional study, KII, In depth interviews, Focused Group Discussion and Case stories using own developed apps, KoboToolbox, Stata, and R programming.
- Capacity development of community healthcare providers.
- Solid experience in developing software products and sale it in local and global markets e.g ISPERP has been running over 100 companies in Bangladesh.

Services

JBRSOFT is a distinguished name in the realm of software solutions, renowned for its comprehensive range of services that cater to a diverse array of industries and business needs. Let's delve into the wide spectrum of services offered by JBRSOFT:

1. **Health Application Development:** JBRSOFT has a strong foothold in the health industry, excelling in the development of health-related applications. From patient management systems to health monitoring apps, JBRSOFT contributes to the advancement of healthcare technology.
2. **Dashboard and Interoperability:** JBRSOFT has developed several dashboard visualisations and interoperability with various platforms such as WHONET, AMR STG App, DHIS2, Supply Chain Portal, National Drug License repository, Bangladesh Medical and Dental Council, Electronic Health Records, and other custom apps.

3. **Enterprise Resource Planning (ERP) Solutions:** JBRSOFT specializes in designing, developing, and implementing robust ERP systems that streamline and optimize business processes. From resource management to inventory control and financial operations, JBRSOFT's ERP solutions empower organizations to enhance efficiency and drive growth.

   JBRSOFT's flagship product, the **ISPERP** (Internet Service Provider) business automation system, has been successfully adopted by over 60 enterprises in Bangladesh. In addition to

this, we provide a range of other solutions including hospital management, inventory management, health information systems, and retail pharmacy solutions.

4. **Web and Mobile Application Design:** With a focus on user-centered design principles, JBRSOFT crafts visually stunning and intuitively functional web and mobile applications. From conceptualization to development, the company brings digital ideas to life while ensuring a seamless and engaging user experience.

5. **Machine Learning Proficiency:** Extensive track record of delivering solutions empowered by machine learning, encompassing predictive modeling, and Natural Language Processing systems.

6. **Software Testing and Quality Assurance:** Quality is paramount in software development, and JBRSOFT excels in delivering rigorous testing and quality assurance services. The company's meticulous approach ensures that software applications are thoroughly tested for functionality, security, performance, and user experience before deployment.

7. **Open-Source Software Customization and Implementation:** JBRSOFT is adept at customizing, implementing, and Interoperability open-source software solutions like WHONET and DHIS2. This expertise ensures that clients can harness the power of open-source tools to meet their specific requirements.

8. **Research and Development Projects:** JBRSOFT actively engages in research projects that address critical challenges in public health, such as Antimicrobial Resistance (AMR) surveillance and adverse event reporting. The company's contributions in this domain underscore its commitment to leveraging technology for societal betterment.
9. **Business Automation Systems:** JBRSOFT designs and develops tailored business automation systems that streamline operations, enhance productivity, and drive efficiency across various sectors. From supply chain management to retail and wholesale operations, JBRSOFT's solutions empower businesses to thrive in the digital age.

10. **Custom Application Development:** JBRSOFT's extensive experience in custom application development is showcased through its work with national and international organizations. The company's capabilities span diverse industries, ensuring that clients receive tailored solutions that meet their unique requirements.

11. **International Collaborations:** JBRSOFT's global footprint is evident in its collaborations with the Bangladesh Government and international clients. The company's expertise transcends borders, enabling it to deliver top-tier solutions to clients worldwide.

12. **AMR One Health**: Pioneering the battle against Antimicrobial Resistance (AMR), we work with a One Health approach that encompasses human, animal, and environmental well-being. This commitment is reflected in our initiatives:
    - Leveraging the WHO collaborating center's open-source solution (WHONET) to implement advancements across One Health sectors.
    - Crafting and implementing AMR surveillance systems to track resistance trends across sectors, enabling well-informed interventions.
    - Championing education and awareness through the creation of campaigns and tools that promote responsible antimicrobial usage. This effort is in partnership with JaeTech Global, an affiliated entity of JBRSOFT.

Products and Projects

At JBRSOFT, our primary emphasis lies in the realm of product development, where we diligently create an array of offerings to cater to our customer's diverse requirements. Our portfolio encompasses an array of products and projects, such as:

mHealth Application for the Antimicrobial Resistance (AMR) Standard Treatment Guideline for the common infectious diseases

The AMR mHealth application offers a range of features and functionalities designed to enhance the management of AMR in common infectious diseases. By leveraging real-time data collection and analysis, clinicians can access crucial information on the prevalence of infectious diseases, the burden they impose on the population, and the most appropriate antibiotic treatments based on their susceptibility to AMR. The integration of the national AMR surveillance data, including antibiotic susceptibility testing (AST) results, further strengthens the application's effectiveness in guiding treatment decisions.

- Client: Communicable Disease Control Program, Directorate General of Health Services, Ministry of Health and Family Welfare, Bangladesh.
- Funded by: MTaPS, USAID.
- Period: December 2021 – November 2022 (Development and implementation)
- December 2022 – continue (Support service)
- Detail: https://jbrsoft.com/amrstg

AMR Portal for One Health Resource Management

To oversee the entirety of One Health Resources, spanning human, animal, aquaculture, and fisheries sectors, an online AMR portal has been instituted. Moreover, this platform is interlinked with the national AMR surveillance dashboard and incorporates four years of retrospective laboratory data, comprising 1.3 million Antimicrobial Susceptibility Testing (AST) records. It facilitates the administration and maintenance of supplementary resources and publications derived from infection prevention and control programs, as well as antibiotic stewardship initiatives.

- Client: Communicable Disease Control Program, Directorate General of Health Services, Ministry of Health and Family Welfare, Bangladesh.
- Funded by: MTaPS, USAID.
- Period: December 2021 – November 2022 (Development and implementation)
- December 2022 – continue (Support service)
- Live access: https://amr.cdc.gov.bd

iPCAMS: National surveillance portal for the Infection Prevention & Control and Antimicrobial Stewardship Programs

The iPCAMS is a web-based and mobile application that enables baseline assessments of infection prevention control and antimicrobial stewardship at hospital facilities to enhance infection prevention. It provides a national and hospital-level dashboard where you can monitor and compare the progress of the IPC and AMS. iPCAMS findings assist the hospital infection prevention committees to develop time-bound IPC and AMS action plans along with the person responsible for each action and initiate using continuous quality improvement (CQI) methods for achieving improvements to reduce healthcare-associated infection (HAI).

- Targeted client: Communicable Disease Control Department, Directorate General of Health Services, Ministry of Health and Family Welfare, Bangladesh.
- Status: This platform is ready to deploy.
- Detail: https://jbrsoft.com/ipcams.

WHONET: Open Source One Health Solution

WHONET stands as a cost-free Windows application designed to manage and dissect microbiology laboratory data, placing a specific emphasis on the surveillance of antimicrobial resistance. This software is the brainchild of the WHO Collaborating Centre for Surveillance of Antimicrobial Resistance, owned by the Brigham and Women's Hospital in Massachusetts. Available in 44 languages, WHONET lends its support to local, national, regional, and global surveillance endeavors, aiding over 2,300 institutions, including hospitals, public health facilities, animal health labs, and food laboratories across 130 countries.

JBRSOFT takes charge of offering technical and implementation support for tasks such as installation, configuration, data collection in human, animal, and environmental domains, data management, analysis, and the development of open dashboard visualizations for OH.

Dispensary: A modern pharmacy solution and managing Antimicrobial Usages (AMU) data

Dispensary represents a pharmacy solution that seamlessly integrates AMU (Antimicrobial Usage) surveillance—a pivotal component of EMR/EHR systems. This integration is flawlessly executed, enabling essential application programming interfaces while incorporating features such as prescription, barcode-driven inventory management, and robust point-of-sale capabilities, catering to pharmacies of any scale. This holistic system fulfills end-to-end operational demands, facilitating comprehensive pharmacy services including online order processing and doctor's panels for patient tracking.

The AMU module has been meticulously designed, offering the potential for integration with national applications, allowing access to Antimicrobial Usage (AMU) data.

- Client: Directorate General of Drug Administration, Ministry of Health and Family Welfare, Bangladesh.
- Funded by: Better Health in Bangladesh (BHB), UKAID.
- Developed and implemented by: JBRSOFT.
- Project period: 2019-2021.
- Detail: https://jbrsoft.com/dispensary.

Digitization Roadmap Development for the Directorate General of Drug Administration (DGDA) in Bangladesh

Overview: The U.S. Pharmacopeial Convention (USP), through the USAID-funded Promoting the Quality of Medicines Plus (PQM+) program, is collaborating with the Directorate General of Drug Administration (DGDA) to enhance regulatory efficiency and pharmaceutical governance in Bangladesh. This project aims to achieve WHO maturity level-3 for DGDA and WHO-prequalification for the National Drug Control Laboratory (NDCL).

Objectives:

- Collaborate with DGDA and Stakeholders to Define Development Goals
- Develop a Digital Architectural Blueprint
- Create a Comprehensive Digitization Roadmap
- Conduct an In-Depth IT Infrastructure Assessment
- Recommend Guidelines and Procedures for Electronic Systems

- Integrate Cross-Functional Digital Solutions

Contribution: PQM+ and IntraHealth will assist DGDA in developing a revised IT departmental structure to support the implementation and sustainability of digital initiatives, in line with DGDA's five-year strategic plan. This project will enhance transparency, data integrity, and overall reliance on DGDA functions, contributing to the availability of safe, quality medicines in Bangladesh.

Execution: JBRSOFT is collaborating closely with DGDA to develop the digital architectural blueprint and comprehensive roadmap. Their responsibilities include conducting an in-depth assessment of the current IT infrastructure, identifying gaps, and providing expert recommendations for implementing electronic systems. Additionally, JBRSOFT is facilitating the integration of cross-functional digital solutions to ensure data integrity and regulatory efficiency. By leveraging their expertise, JBRSOFT aims to align DGDA's digitized systems with the National Digital Health strategy, enhancing the regulatory framework and supporting sustainable digital transformation initiatives.

- Client: Directorate General of Drug Administration, Under Ministry of Health and Family Welfare, Dhaka, Bangladesh
- Funded by: The U.S. Pharmacopeial Convention (USP), PQM+, USAID
- Period: June 2024 - continue.

OpenRIMS: Installation, customization, implementation, development and full documentation of OpenRIMS modules for Automating Regulatory Process Management

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The purpose of a Regulatory Information Management System (RIMS) is to automate and digitalize the processes and work routines at a National Medicines Regulatory Authority (NMRA). OpenRIMS serves that purpose and is built on Common Standards for RIMS. OpenRIMS is Free and Open Source Software (FOSS) and can from the browser be localized to country procedures and needs like language. JBRSOFT is assisting the Directorate General of Drug Administration with installation, deployment, customisation, technical assistance, end-user support, and documents preparation.

JBRSOFT has been extending technical support to customize and deploy the OpenRIMS software for the Directorate General of Drug Administration in Bangladesh since the year 2022.

- Client: The Directorate General of Drug Administration, Ministry of Health and Family Welfare, Bangladesh.
- Funded by: MTaPS, USAID.
- Period: 2022-continue.
- Detail: https://rims.dgda.gov.bd

PViMS: Development, enhancement and customization of the Adverse events following immunization (AEFI) and ADR reporting and monitoring surveillance systems

PViMS, or the PharmacoVigilance Monitoring System, is a web-based application used to monitor the safety of medicines. The application was developed by the USAID-funded Systems for Improved Access to Pharmaceuticals and Services [SIAPS] program (2011-2018) and is implemented by the USAID-funded Medicines, Technologies, and Pharmaceutical Services [MTaPS] program (2018-2023), both led by Management Sciences for Health (MSH), a global health nonprofit. PViMS is maintained by MSH.

JBRSOFT has been extending technical support to customize and deploy the PViMS software for the Directorate General of Drug Administration in Bangladesh since the year 2022.

- Client: The Directorate General of Drug Administration, Ministry of Health and Family Welfare, Bangladesh.
- Funded by: MTaPS, USAID.
- Period: 2022-continue.
- Detail: https://pv.dgda.gov.bd/.

Impact Assessment of Agricultural Infrastructure Improvement in Cox's Bazar District in Bangladesh

JBRSOFT is undertaking a pivotal project in Cox's Bazar, a district in Bangladesh confronted with significant challenges including climate risks, food insecurity, malnutrition, and poverty. The arrival of Rohingya refugees has placed immense strain on local communities, infrastructure, and services, notably in the Teknaf, Ukhiya, Chakaria, and Cox's Bazar Sadar sub-districts. Additionally, the escalating impacts of climate change and frequent natural disasters have made agricultural infrastructure highly vulnerable, severely impeding farming efforts for local practitioners. This has led to a noteworthy decline in agricultural productivity over time, intensifying threats to food security in the region.

In collaboration with the World Food Programme (WFP), BRAC has launched a project to address pressing concerns. This initiative is focused on enhancing agricultural infrastructure for vulnerable farmers in the four sub-districts of Cox's Bazar. The primary goal is to strengthen agricultural productivity and ensure food security within the designated project areas. The project's scope encompasses an evaluation of how improvements in agricultural infrastructure impact crop production, with a special emphasis on safeguarding the food resources of the most vulnerable farmers. To guarantee these positive outcomes, the project has prioritized capacity building for farmers through extension services and has worked to improve accessibility to agricultural infrastructure, including upgrading feeder roads, re-excavating canals, establishing riverside plantations, and enhancing culverts, drains, and water reservoirs, among other

initiatives. Additionally, the project addresses the environmental implications of infrastructure development, particularly in catchment areas within Cox's Bazar district, with the aim of mitigating disaster risks.

JBRSOFT's focus lies in meticulously assessing the effects of agricultural infrastructure improvements on food security, providing valuable insights for further refinements based on feedback from direct beneficiaries. Specific objectives include evaluating the impact of these improvements on food security, appraising the environmental outcomes of infrastructure development to enhance agricultural production, offering constructive recommendations for ongoing improvement, conducting a thorough review of related project work provided by WFP/BRAC, formulating questionnaires for individual surveys, coordinating focus group discussions and key informant interviews, and conducting a pilot-test of the questionnaire before the final survey.

- Client: HCMP, BRAC
- Duration: September 2023-Continue
- Funded by: BRAC, World Food Programme
- Location: Cox’s Bazar six districts (Chakaria, Cox’s Bazar Sadar, Ukhiya, Ramu, Teknaf sub-district and Edgaon)
- Status: Completed

PCB Apps: Business Automation System of the Pharmacy Council of Bangladesh

The Pharmacy Council of Bangladesh (PCB) functions as an Autonomous Organization within the Ministry of Health and Family Welfare, under the Government of the People's Republic of Bangladesh. Its establishment took place under the Pharmacy Ordinance, specifically Ordinance No. X111 of 1976. Notably, PCB has spearheaded the creation and successful implementation of a business process automation mechanism. This endeavor ensures the seamless operation of its functions while concurrently achieving database interoperability with pharmacy licensing solutions. At present, the automation system adeptly manages a diverse repository of **175,215 pharmacists' profiles with more than 2 million’s of documents**. This inclusive dataset encompasses certificates and relevant documents obtained from 44 public and private universities, 57 institutions, and 75 training centers. The user-friendly portal empowers individuals to conveniently apply for new registration, certificate collection, and renewals from any location, offering a range of payment options including banks and microfinance programs.

The development, execution, and ongoing management of this automation system were masterminded by JBRSOFT, as an integral part of the project titled "Development and Maintenance Support of the Pharmacy Council of Bangladesh Automation & Database

Interlinking with DGDA Drug Database". Funding for this initiative stems from the Better Health in Bangladesh project, under the aegis of DHSC initiatives in the UK government.

In addition, JBRSOFT plays a pivotal role as a research partner, orchestrating the collection of real-time insights, challenges, and recommendations directly from users of the PCB automation system in the field. These insights, hazards, and recommendations contribute to informed decision-making within the PCB governing body, shaping the trajectory of the automation system.

- Client: The Pharmacy Council of Bangladesh, Ministry of Health and Family Welfare, Bangladesh.
- Funded by: Better Health in Bangladesh (BHB), UKAID.
- Developed and implemented by: JBRSOFT.
- Research partner: JaeTech Global.
- Period: 2019-2022 (BHB support).
- December 2022 – continue (Government own funding)
- Detail: https://pcbapps.com.bd/

DHIS2: District Health Information System – Open-Source Platform for Health Information Management Solution

DHIS2 serves as an open-source, web-based platform, predominantly recognized as a health management information system (HMIS). Presently, DHIS2 stands as the world's most extensive HMIS platform, adopted by 80 countries with low to middle-income economies. An estimated 3.2 billion individuals reside in nations where DHIS2 is deployed, and its utilization extends even further, encompassing over 100 countries, including programs conducted by non-governmental organizations.

JBRSOFT holds a profound history of engagement with DHIS2, spanning diverse service domains such as Server Setup, Configuration, Customization & Implementation, Capacity Building & Training, Development of Custom Widgets and Apps, Tailoring DHIS2's aggregate module into a data repository, Customizing tracker modules for individual patient-level tracking, Fostering Cross-platforms Interoperability, Implementing Android Applications, and Establishing Interoperability between DHIS2 and WHONET software.

Detail: https://jbrsoft.com/dhis2

Management Team

Mohammad Julhas Sujan
B.Sc in CSE, MPH
Chief Executive Officer/ Team Lead
Personal dossier:
https://julhas.com

Research profile:
https://www.researchgate.net/profile/Mohammad-Julhas-Sujan

Julhas Sujan is a computer science engineer and health informatics specialist currently leading the JBRSOFT activities. In parallel, he is working on the Antimicrobial Resistance/ Usages/ Consumption surveillances for Human Health sectors, Clinician and Private Sector Engagement, and Microbiology Laboratory External Quality Assurance (EQA) trail with the 12 South and Southeast Asian countries (Bangladesh, Bhutan, Nepal, Sri Lanka, Pakistan, Indonesia, Cambodia, Laos, Vietnam, Papua New Guinea, Timor-Leste, and India) based in Seoul, South Korea. For the last eleven years, Julhas has been working on different disease surveillance, with a particular focus on project implementation, application development, interoperability, advanced data analysis, visualization, and manuscript writing using the latest technologies.

He completed his undergraduate in Computer Science Engineering, a diploma in Enterprise Application Development (J2EE) from Infosys, Mysore, India, and a master's degree in Public Health.

Md. Abul Hasnat
B.Sc, M.Sc
Director, Operation/ Project Manager

Abul Hasnat holds a position as a Computer Science Engineer, specializing in Data Management and Health Informatics. He currently serves as the Director at JBRSOFT. His work revolves around Agile team management, product requirement analysis, close collaboration with the software development and testing team, and implementing applications. Previous join to JBRSOFT, he was responsible for conducting surveillances related to AMR (Antimicrobial Resistance), AMU (Antimicrobial Usage), and AMC (Antimicrobial Consumption) in the realm of human health sectors and fostering engagement within the private as a part of the CAPTURA Bangladesh project initiatives (Fleming Fund Regional Grant).

He has been actively working with the Human Health AMR stakeholders such as the Directorate General of Drug Administration (DGDA), Directorate General of Health Services

	(DGHS), and Institute of Epidemiology, Disease Control and Research (IEDCR). His extensive experience spans a decade, primarily focusing on AMR surveillance and comprehensive data management. His roles encompass various stages of the AMR data lifecycle, including survey design, data collection, data incubation, entry, cleansing, filtering, project execution, application development, data analysis, visualization, and manuscript composition, all leveraging cutting-edge technologies. Hasnat's educational background includes a Bachelor's degree in Computer Science Engineering, followed by a Master's degree in the same field.
 **Raton Kumar Hawladar** *B.Sc in Computer Science* Lead Software Developer/ Team Lead	Mr. Raton has been employed by JBRSOFT for the past seven years. He is currently working as a full stack engineer, leading the core software development team, and managing various projects at the national level in Bangladesh. His areas of expertise include database design, application development, front-end design and development, API development, and server management. Raton's educational background includes a Bachelor degree in Computer Science and Engineering.
 Prof. Sanya Tahmina Jhora Former Additional Directorate General (ADG), Planning and Development, DGHS Research Profile: https://www.researchgate.net/profile/Sanya-Tahmina	Professor Sanya Tahmina is a Medical Microbiologist with a diversity of work experiences. She is an academician, administrator, public health specialist as well as an independent researcher. She retired as the Additional Director General (Planning and Development) of Directorate General of Health Services after successful completion of 33 years of Government job. Her special interest is in the field of Communicable diseases and Antimicrobial Resistance containment programs in Bangladesh. Prof. Sanya has been providing technical assistance to the JBRSOFT team in developing and implementing AMR solutions.
DR. MD. NAZRUL ISLAM	**Dr. Nazrul** is a Senior public health expert and medical doctor with over 40 years of working experience in Bangladesh.

Former DGHS Employee and Public Health Expert

Extensive involvement with the Ministry of Health and Family Welfare and the Directorate General of Health Services and Family Planning (30 years). Having experience of leading and designing strategies for effective implementation of Maternal, newborn, and child health strategies, family planning, nutrition. Program Manager of WHO 'Making Pregnancy Safer program' for 6 years, implementing community-based skilled birth attendant (CSBA) and essential newborn care training. Supported a World Bank 'Demand-side financing maternal health voucher scheme' where he led implementation in 53 Upazilas. Headed Primary Health Care program implementation through the management of a 50-bed hospital and field staff. Demonstrated expertise bringing together key stakeholders including MOHFW, civil society, private sector, and implementing partners to improve health service quality. After retiring from the Govt. Services, he worked in UNICEF, JICA, WHO, World Bank, Jhpiego and IFRC in different MNC&AH projects/ programs for the last 14 years. He also worked In Save the Children, Bangladesh from January 2013 to March 2020. Worked for Saving Newborn Lives (SNL) project as Deputy Director, Senior Advisor and then Program Director from April 2013 - September 2017. He later worked for USAID MaMoni MNCSP project as Senior Advisor, Health Systems from October 2017 - March 2023. His key accomplishment in SNL project was to build consensus among policy makers and key technical leaders in Newborn Health through evidence- based policy advocacy to incorporate 3 new life saving NBH Interventions in National health program. His valuable contribution in designing and implementation of CNCP package is praiseworthy. He was the National Consultant to update the 'National Maternal Health Strategy 2016' and completed the draft version. He also worked in WHO Bangladesh as the Senior National Consultant in MNCA&H project and Senior Health Advisor in IFRC for its COVID - 19 project until June 2023. He was involved in several research activities on maternal health with icddr'b MNCH team, both in Dhaka and Community level.

Dr. Muhammad Asaduzzaman
MBBS, MPH, MPhil, PhD
AMR One Health Advisor
Research profile:
https://www.researchgate.net/profile/Muhammad-Asaduzzaman-5

Dr. Muhammad Asaduzzaman is AMR One Health Advisor at JBRSOFT with more than 16 years of experience in Global Health. He is a medical doctor with post-graduation in non-communicable diseases (NCDs) and One Health (OH). His research interest is focused on the systems thinking of multidisciplinary (One Health/Planetary Health) issues. In collaboration with researchers from the global south (mostly in Asia and Africa), he is currently working on antimicrobial resistance (AMR), Infectious disease epidemiology (especially zoonotic), migrant health, and health systems through the OH approach.

Prior to joining JBRSOFT, Dr. Asad worked as an Assistant Scientist at icddr,b, OH Fellow in South Asia, GHES Fogarty fellow on AMR at the University of California Berkeley, USA, and visiting scholar at Vanderbilt University, USA.

Shanjida Rahman Sultana
B.Sc.PT, MPH
Deputy Team Lead &
Research Coordinator
Research profile:
https://www.researchgate.net/profile/Shanjida-Rahman-Sultana

Shanjida Rahman Sultana, a skilled physical therapist, and public health specialist, serves as a Deputy Team Lead and Research Coordinator at JBRSOFT. Concurrently, she is a research assistant at North South University's Global Health Institute and a research fellow at the Public Health Professional Development Society (PPDS). She achieved a Master's degree in Epidemiology from North South University, Bangladesh. Her research passions encompass communicable and noncommunicable diseases, mental health, COVID-19, disasters, migration, AMR, AMU, and AMC surveillance in One Health. With three published papers, she excels in R-programming, STATA, SPSS, statistical modeling, and DHIS2. Sultana's clinical background spans over four years at United Hospital Limited.

At JBRSOFT, Sultana holds the lead responsibility for overseeing AMR project management, research, manuscript writing, and academic activities.

Dr. Amany Ayub has completed Bachelor of Medicine and Surgery (M.B.B.S) from Holy Family Red Crescent Medical College and Hospital under Dhaka University in January 2010 and Master of Public Health (MPH) from National Institute of Preventive and Social Medicine (NIPSOM) under Bangabandhu Sheikh Mujib Medical University (BSMMU) in January 2015.

Dr. Amany Ayub
MBBS, MPH
Public Health Expert/
Director, Research and
Innovation

She has more than 12 years professional experience and 7 years experiences in USAID funded programs in different National, International and Humanitarian Organizations as Technical Officer, Project Coordinator, Technical Advisor and lastly Project Manager, Health/ Deputy Chief of Party. She has more than 3 year's experiences of working in emergency response especially in COVID-19 pandemic crisis (national preparedness and response planning, collaboration with Government counterparts, internal and external stakeholders, adapting and developing Guidelines/ Training modules/ SOP, job-aids, videos, hospital Signage & IEC materials, Infection Prevention and Control (IPC) practices, health system strengthening, hospital readiness assessment, development of hospital emergency response plan, simulation exercise in urban health centers, procurement of machineries & hospital equipment to provide patients with medical tests and 24/7 emergency services and COVID-19 immunization system strengthening), also worked in the Program's Global Health Security Agenda (GHSA), focused on AMR containment, specifically by supporting multisectoral coordination, IPC, and antimicrobial stewardship (AMS) on AMR. She is potentials in project planning, budget, management, implementation, strengthening health system, supportive supervision, developing guidelines/ SOP, job-aid, IEC materials, adapting training materials, building capacity and mentoring of health service providers to ensure quality care. In her total 12 years of work experiences, she worked in USAID PROVASH Project implemented by IFRC, USAID MTaPS Program implemented by Management Sciences for Health (MSH), USAID Shukhi Jibon Project implemented by Pathfinder International and USAID Challenge TB project Bangladesh implemented by MSH.

Dr. Amany has been assisting JBRSOFT with business development, infection prevention & control, antimicrobial stewardship, the field operation of antimicrobial surveillance and scientific writing.

Hridika Talukder Barua
M.Sc in Microbiology, PhD

Motivated professional with years of experience in academic and healthcare environments, including excessive experience in project management and research administration. Experienced in leading the program of AMR and related projects, including team management, strategies, and work plans for the implementation of measures and the assessment of their impact. Ability to provide leadership and coordination of AMR activities across all national stakeholders and relevant sectors.

AMR/U/C Specialist Research profile: https://www.researchgate.net/profile/Hridika-Barua	Besides, experience in guiding healthcare professionals, settings, and key stakeholders to build and strengthen national and local capacity and infrastructure for AMR. In addition, capable of providing guidance on establishing national AMR surveillance systems in the region, including supporting Global Antimicrobial Surveillance systems (GLASS) and studies to generate data on antibiotics use and practices in the region. Furthermore, possess the ability to develop partnerships with the in-country Ministry of Health, Public and Private Hospitals, Medical Schools, Pharmacies, Professional Scientific Associations, and International Organizations including WHO and international experts in the field of AMR. Hridika has been leading the AMR surveillance initiative at JBRSOFT.
 **Md. Mahfujur Rahman** *Strategic Research Consultant*, JBRSOFT Limited January 2022 – Present	Md. Mahfujur Rahman is a results-driven Strategic Research Consultant at JBRSOFT Limited, with over five years of experience leading and executing multidisciplinary research and evaluation projects. At JBRSOFT, he plays a key role in driving evidence-based assessments aligned with international standards such as the OECD-DAC criteria and utilizes robust methodologies, including Developmental Impact Evaluation (DID) and Counterfactual Analysis, to generate actionable insights. He specializes in designing both qualitative and quantitative research methodologies, developing logical frameworks to monitor project outcomes, and crafting comprehensive data collection instruments. With hands-on expertise in tools like KoBo Toolbox, he supports survey development and streamlines field data collection through rigorous training and supervision of enumerators. Md. Rahman's strength lies in data management, statistical analysis, and synthesizing findings into clear, impactful scientific reports. His analytical acumen and methodological precision contribute significantly to the strategic goals and research excellence of JBRSOFT.
Full-time staff	12
Consultant	6

JBRSOFT Development team	https://jbrsoft.com/about

Stacks and Tools

Clients

JBRSOFT boasts a wealth of experience, having collaborated with a multitude of enterprises within the realm of professional services. Illustrative instances some of our clientele encompass:

usp®	**Client Name:** Directorate General of Drug Administration, Bangladesh **Provided service:** Development of Digitization Roadmap **Supported by:** The U.S Pharmacopeial (USP), USAID **Period:** June 2024 – to continue **Associated with:** JBRSOFT
PHARMACY COUNCIL OF BANGLADESH UKaid	Client Name: Pharmacy Council of Bangladesh (PCB), Ministry of Health and Family Welfare, Bangladesh Provided service: Designed, Developed, and Implemented PCB Automation System Supported by: Better Health in Bangladesh, UKAID (2019-2022), PCB (December 2022 - continue) Associated with: JBRSOFT
DGHS.MOH&FW BANGLADESH USAID FROM THE AMERICAN PEOPLE	**Clients Name:** ○ Communicable Disease Control Department, Directorate General of Health Services, Ministry of Health and Family Welfare, Bangladesh (AMR projects) ○ Directorate General of Drug Administration, Ministry of Health and Family Welfare, Bangladesh (PViMS) **Provided services:**

	○ Designed, Developed, and Implemented Standard Treatment Guideline Mobile and App applications ○ Development and Maintenance of the AMR One Health Resource Management Portal ○ PViMS (Pharmacovigilance Monitoring System) customization, implementation and maintenance **Supported by:** MTaPS, MSH, USAID **Associated with:** Julhas Sujan's consulting agreement
 	**Client Name:** BRAC, Bangladesh **Provided service:** Impact Assessment of Agricultural Infrastructure Improvement in Cox's Bazar District in Bangladesh **Supported by:** World Food Programme (WFP) **Associated with:** JBRSOFT
	**Client Name:** Action Against Hunger, Bangladesh **Provided service:** Info Hub Project Data Synchronization and Visualization into DHIS2, Action Against Hunger, Bangladesh **Supported by:** ACF Local Office, Bangladesh **Associated with:** JBRSOFT
 	**Client Name:** Directorate General of Drug Administration, Ministry of Health and Family Welfare, Bangladesh **Provided service:** Designed, Developed, and Implemented Pharmacy Management Solution **Supported by:** Better Health in Bangladesh, UKAID **Associated with:** JBRSOFT