

Tafuri Technologies Limited

Company Profile

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ABOUT

Tafuri Technologies Limited (TTL), established in July 2020, is a seamless technology service provider that aims to provide full package of solutions including both VLSI and software services with a vision to build the ecosystem along with.

From the very beginning we've been thriving for the best solutions for our valuable customers. We've been trying to figure out what are the pain points of our clients and providing them the appropriate solutions. Thus, we're adding values to their business.

While providing service to the customers, sometimes we face completely new problems, we're to go through the problems in-depth. We need to redefine the problems to figure out the best solution. It's the positive mindset of the whole team towards the problem that made us successful every time.

Such team mindset is helping us to work with companies from Silicon Valley, USA. They are getting interested for more engagement with us day by day. Besides USA, we're also providing services to Japanese and Indian companies.

OUR MISSION

Our mission is to support global technology companies with skilled and passionate engineers to reduce time-to-market & project cost as well as to enable sustainable business growth.

OUR VISION

Our vision is to develop the ecosystem of the technology based industry in Bangladesh by connecting the academics, graduate engineers, professional trainers, policy makers, industrialists and Non-Residential Bangladeshis (NRB) having technical expertise all over the world. To build such ecosystem our approach is to create the appropriate awareness, connect successful NRBS to bring appropriate knowledge, promote Bangladeshi skilled Engineers and acquire global reputed companies as clients. We believe, such ecosystem will enable the pavement of Semiconductor Manufacturing alongside Semiconductor Design Services sector.

REPRESENTATIVE DETAILS

Mohammed Abdul Jabbar

Managing Director, Tafuri Technologies Limited



Education Background

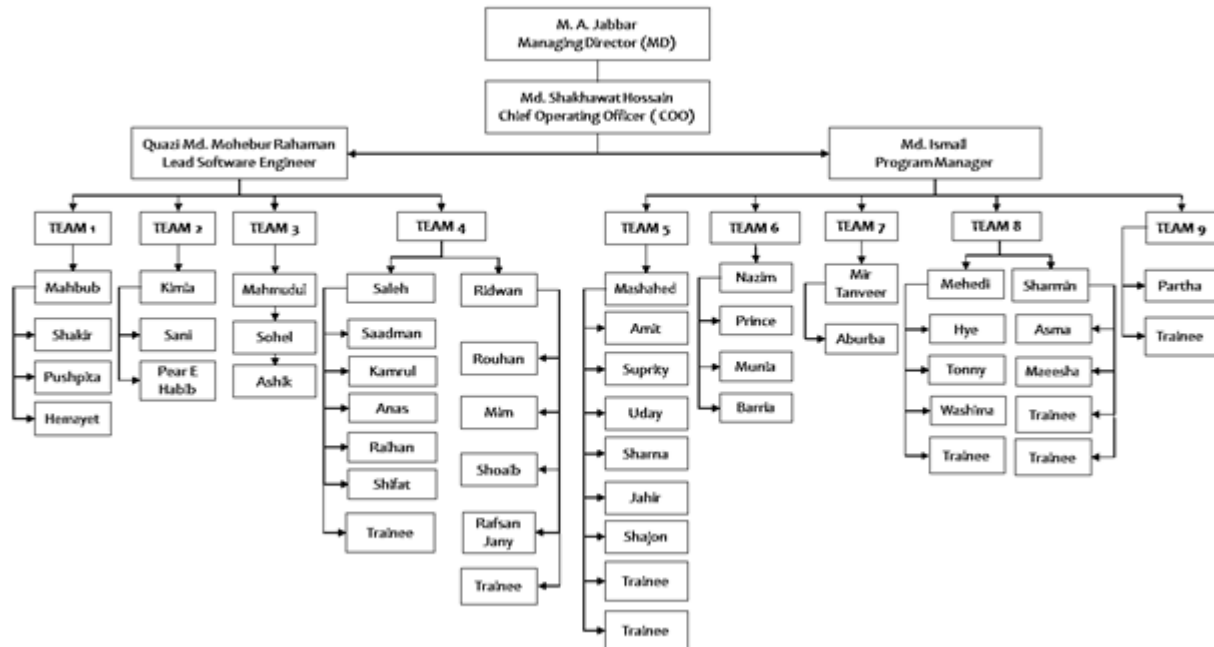
Graduation in Computer Science from University of Texas at Dallas, USA.

Professional Background

Managing Director of a Family Business Conglomerate of Bangladesh, DBL Group, established in 1991. Jabbar is highly aware of and compliant to the changing flows in the global markets and is passionate about CSR and sustainability. He has been instrumental in developing a good reputation and continued success for DBL. His dynamic leadership brought in growth opportunities for the company resulting in the evolution of more diversified industries for DBL Group. In a span of three decades DBL has grown and diversified into Ceramic Tiles, Pharmaceuticals, Dredging, Telecom, VLSI and IT industry, beside its core business Garments and Textiles. DBL had annual turnover of \$600 million for the year 2019- 20 and employs 38000 people which includes business expansion in Ethiopia. His enthusiasm for excelling, harvesting, and cultivating innovation has roped in professionals from different fields to join the business and articulate their talents to transcending lengths. Being a signatory to UN Global Compact, Jabbar has aligned the sustainability activities of DBL to the 17 SDGs. Jabbar is Vice Chairman of Bangladesh Economic Zone Investors Association (BEZIA) and Vice President of Bangladesh Ceramic Manufacturers & Exporters Association (BCMEA). He is on the Board of Global Compact Network Bangladesh and a Trustee Board member of CSR Center Bangladesh. He also represents DBL in the International Chamber of Commerce (ICC), Bangladesh, and World Economic Forum (WEF).

ORGANOGRAM

Tafuri Technologies Limited has now about 62 Talented Engineers. Due to having more client demands more engineers are in the pipeline. We've continuous engagement with academics and university authorities to train and develop more potential engineers.



LIST OF INFRASTRUCTURE

Tafuri Technologies Limited believes in quality services towards their valuable clients that ensures gradual growth and progress as well. To accommodate current resources and considering future growth TTL has about 9000 sq-ft fully air-conditioned office spaces where 100+ engineers can work comfortably with other necessary facilities.

OUR SERVICES

Service Type	Service List
VLSI Services	1. Analog Design 2. DFT 3. Front-end Verification 4. Physical Design (PnR) 5. FPGA Design & Validation
Software Services	1. Web Applications 2. Process Automation 3. Custom Software Development 4. AI/ML Applications 5. QA & Testing

VLSI SERVICES

1. Analog Design

Area of Expertise

- Architecture and Specification Development
- AMS Circuit Design and Simulation
- RTL Design
- Behavioral Model Development
- Integration with Analog blocks
- Technology Migration
- Full-custom layout
- Physical verifications: LVS, DRC, EDRC, DFM
- Post layout simulation & optimization
- Collaterals delivery through QA
- Process Technology: GF & TSMC

2. Physical Design (PnR)

Area of Expertise

- RTL to GDSII Implementation
- Synthesis - Block Level & Top-Level Design
- Formal Verification (LEC)
- PD Implementation – Floorplan, Partitioning, PowerPlan, Placement, CTS, Routing
- RC Extraction
- Static Timing Analysis (STA) – Setup, Hold & Noise
- Power Analysis – IR Drop & EM Analysis
- Physical Verification – LVS, DRC, ARC
- Cadence Design Environment: Genus, Innovus, Conformal, Quantus, Tempus, Voltus, PVS

3. Front-end Verification

Area of Expertise

- Specification analysis
- Testplan
- Testbench components development, RTL integration with Testbench
- Model development in C/C++
- Test sequence generation
- Self-Checking Sequence & Testbench
- Coverage analysis
- Expertise on Verilog, System Verilog, UVM
- Scripting knowledge: Shell, Tcl, Python
- Tools: Cadence Incisive, ModelSim, Vivado

4. Design for Testability (DFT)

Area of Expertise

- Scan Insertion
- Automatic Test Pattern Generation (ATPG)
- Knowledge of Scan Compression, MBIST & JTAG Techniques
- Coverage Analysis
- Stuck-at Fault and Transition Fault Analysis
- Experience in debugging simulation failures
- ATE Failure Diagnosis – Stuck-at, Transition, Layout Aware
- Scripting Experience
- Experienced in Mentor Graphics Design Environment

5. FPGA Design & Validation

Area of Expertise

- RTL to Bitstream Generation
- Firmware Development for FPGA Implementation
- SoC Verification - Functional Verification, Timing Analysis
- High Level Synthesis (HLS)
- Hardware Accelerator Design
- OpenCL Design & Development
- Board Exposures on Xilinx FPGA & Intel FPGA
- Simulator Tools Expertise: Vivado, ModelSim

SOFTWARE SERVICES

1. Web Applications

Due to technology advancement, everything is going to cloud or getting online. Dependency on local computer or server is decreasing. It enables the collaboration from all corners of the world. It also reduces time and hardware dependency. To enable your business operation online and to smooth your day to day operation we're here to create web-based applications. We're building applications for clients from USA and Japan.

2. Process Automation

In the practical world, companies do so many manual jobs to complete any process in their day to day life. Automation is the key to ease their regular business activities like report generations, data analysis, decision making, factor analysis, data presentations, system automation, applications development etc. We've a competent team with proven skillsets to manage these manual jobs. Happy clients as well.

3. Custom Software Development

There are lot of software available in the market. On the other hand, our requirement varies from company to company. We're flexible to any kind of customization from client side and competent to fulfill that. We're committed to any kind of requirement designing, creating, deploying and maintenance.

4. AI/ML Applications

We always look forward to adding values to our customers' business. In recent time, applications based on machine learning are getting priority. Data driven analysis and decision-making precision are the key factors to such popularity of these applications. Companies are building machine learning based applications to implement artificial intelligence concept that allows to do analysis the business history, flow, activities and creates decision automatically. We've expertise to build applications based on machine learning and computer vision technology.

5. QA & Testing

We provide software testing and quality assurance services for your software, REST API and system. We do quality assurance by both manual and automated testing. We test if client's REST API conforms to API documentation. We also provide writing regression test service. We report bugs proactively. Our testing covers Manual Testing of System and Software, Automated Testing of System and Software, REST API Testing & Regression Test Script Writing.

CLIENT LIST

1. GlobalFoundries Inc., USA
2. Mythic Inc., USA
3. ASA Microsystems Inc., USA
4. OrangeBD Limited, Bangladesh
5. IT Bangla Limited, Bangladesh

CONTACT

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