

Ibrahim Sadik Tamim

SOFTWARE ENGINEER

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📄 <https://github.com/tam11a> in Ibrahim Sadik Tamim

Summary

Senior Software Engineer and Founding Technical Lead with over 4 years of experience building scalable digital ecosystems. Proven track record of taking products from Day 0 MVP to market-leading status, with a specialized focus on Full Stack architecture, IoT integration, and enterprise-grade boilerplates. Expert in mentoring high-performing teams and translating complex business requirements from international clients into robust technical solutions.

Skills

Professional: ReactJS, ExpressJS, NextJS, NestJS, Prisma, PostgreSQL, MySQL, Linux OS/Server

Expert: AstroJS, GSAP, TailwindCSS, PostCSS, SCSS, MongoDB, UI Design, UX Research, Docker, SDLC, System Analysis/Design, Frontend Architecture, API Architecture, GIT

Intermediate: Jira, VueJS, DevOps, Nginx, Bash

Learner: Github Actions, CI/CD, Golang

Experience

Senior Software Engineer

Nov 2023 – Present

Defined Solution

Dhaka, Bangladesh

- **Enterprise Architecture & Standardization:** Leveraged foundational experience from Reserveitbd to architect and maintain enterprise-grade boilerplate (Full Stack), reducing project setup time by 40% and ensuring architectural consistency across diverse client projects.
- **Technical Discovery & Client Relations:** Acted as a key technical liaison, translating high-level business requirements from international clients into robust technical specifications, system designs, and scalable database schema.
- **Operational Excellence & Mentorship:** Spearheaded a "Professional Standards" initiative, training the engineering team on Clean Code principles, SOLID design patterns, and advanced Git workflows to elevate the firm's output to industry-leading standards.
- **Agile Transformation:** Refined the internal development lifecycle by implementing automated testing suites and CI/CD pipelines, utilizing previous experience in high-concurrency environments to ensure zero-downtime deployments for client products.
- **Cross-Functional Leadership:** Managed the end-to-end delivery of complex 360-degree software solutions, coordinating between design, backend, and mobile teams to ensure cohesive product development and on-time delivery.
- **System Optimization:** Applied deep-dive performance tuning learned during the Reserveitbd startup phase to optimize legacy client applications, resulting in significant improvements in API response times and frontend rendering speed.

Full Stack Engineer

Oct 2021 – Oct 2023

Reserveit Bangladesh

Dhaka, Bangladesh

- **Founding Technical Leadership:** Served as the Lead Frontend Engineer from Day 1, architecting the initial UI/UX framework and setting the coding standards, component architecture, and state management patterns for the entire platform.
- **Scalable Architecture:** Designed and implemented a high-performance, responsive web applications using Next.js and React.js, ensuring seamless user experiences across the reservation and booking modules.

- **Full Stack Integration:** Transitioned into a Full Stack role to bridge the gap between client-side needs and server-side logic, developing robust APIs using .NET.
- **Database Management:** Optimized data flow and storage by designing efficient schema in PostgreSQL, reducing query latency for real-time table availability and booking management.
- **Team Mentorship & Growth:** Led and mentored a team of junior and mid-level developers, conducting rigorous code reviews and implementing CI/CD pipelines to ensure 99.9% deployment uptime.
- **Product Evolution:** Collaborated directly with stakeholders to translate business requirements into technical specifications, playing a key role in the platform's evolution from a MVP to a market-leading reservation system in Bangladesh.

Junior Full Stack Engineer

Mar 2021 – Sep 2021

Planet X Inc

Dhaka, Bangladesh

- **IoT Research & Development:** Developed comprehensive web-based monitoring software for specialized IoT research projects, including Thersor, a system designed for tracking and analyzing medicines and medical equipments for NGO Programs.
- **Firmware Contribution:** Collaborated on device-level programming by contributing to firmware code-bases, ensuring seamless data transmission between hardware sensors and cloud-based databases.
- **Data Visualization:** Engineered real-time dashboards to visualize complex sensor data from IoT devices, enabling researchers to interpret "Thersor" metrics through interactive charts and graphs.
- **End-to-End Integration:** Managed the full data pipeline from hardware signal acquisition to front-end display, gaining early expertise in API development and asynchronous data handling.
- **Client Communication:** Engaged directly with clients to gather requirements for web projects, delivering tailored digital solutions that met specific branding and functional needs.
- **Responsive Web Development:** Designed and deployed multiple high-performance, mobile-responsive websites for diverse clients, prioritizing cross-browser compatibility and intuitive user navigation.

Projects

- **POS System (Enterprise Fashion Retail):** Engineered a centralized Point of Sale (POS) and inventory management system for a premier Bangladeshi fashion house. Designed the architecture to synchronize real-time sales and stock data across multiple national warehouses and outlets, successfully integrating high-volume (70%+) F-commerce/online sales channels.
- **MeWaCo (IoT Water Management System):** Developed a real-time IoT monitoring solution for Dhaka WASA in collaboration with ATnation. Led a 3-person team to automate manual pump tracking, enabling digital water usage analytics and eliminating high-latency manual reporting processes.
- **Bakko (EdTech MVP):** Architected and developed a cross-platform, gamified language learning application. Focused on high-engagement user loops and a seamless MVP roll-out to validate core educational features.
- **Munchies Bangladesh (Food & Quick-Commerce):** Spearheaded a comprehensive UI/UX overhaul for a cloud kitchen and grocery delivery platform. Improved conversion rates by re-engineering the user interface to streamline the ordering flow for cloud-based stores.
- **Sultan's Dine (Mobile Experience Design):** Collaborated with a specialized design team to define the visual identity and user experience for the upcoming mobile application of a leading restaurant brand for Kacchi in Bangladesh, focusing on high-fidelity prototyping and brand-aligned UI.

- **Real-Estate CRM:** Developed a customized Customer Relationship Management (CRM) application tailored for the real-estate sector. Built robust modules for lead lifecycle tracking, deal pipeline management, and automated follow-up scheduling.
- **Hazari Tally (Gaming Utility):** Built and deployed a cross-platform mobile application using React Native to digitize score-tracking for the traditional "Hazari" card game. Focused on real-time calculations and a user-friendly interface for local cultural adoption.
- **AdmiQue (EdTech Architecture & UX):** Conducted extensive user research and product design for a comprehensive university admission preparation platform. Architected a multi-layered educational system featuring structured online courses, interactive MCQ modules with real-time explanations, and a categorized database for previous exam questions organized by subject, department, and university.

Extracurricular Activities

CSE Fest 2K24 Hackathon <i>Dec 2024</i>	Programming Club, Tejgaon College <i>Champion</i>
NASA Space App Challenge <i>Oct 2020</i>	BASIS <i>Champion</i>
Programming Contest <i>Feb 2020</i>	Programming Club, Tejgaon College <i>Runner-up</i>
Programming Contest <i>Dec 2019</i>	Programming Club, Tejgaon College <i>First</i>
JUSC National Science Fest Project Presentation <i>Feb 2018</i>	JUSC <i>Runner-up</i>