

# Ibrahim Sadik Tamim

SOFTWARE ENGINEER

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⌚ <https://github.com/tam11a> ✉ Ibrahim Sadik Tamim

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## 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.

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## 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

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## Experience

### Senior Software Engineer

*Defined Solution*

Nov 2023 – Present

*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

*Reserveit Bangladesh*

Oct 2021 – Oct 2023

*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

Planet X Inc

Mar 2021 – Sep 2021

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.

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### 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.

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#### Extracurricular Activities

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