TANVIR ALAM

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SUMMARY

Software Engineer with over five years of experience building and scaling full-stack systems that connect modern web applications with enterprise-grade backends. Experienced across both the financial and technology sectors—delivering robust digital banking solutions for SMBC and Bank Danamon Indonesia, and now driving innovation in a high-traffic HRM startup environment.

Skilled in a wide ecosystem of technologies including Vue.js 2, AngularJS 1, Spring Boot, Kafka, Redis, MySQL, PostgreSQL, and Debezium. Adept at maintaining and enhancing multi-panel admin and client applications, synchronizing distributed systems, and optimizing real-time event pipelines.

Passionate about scalable architectures, DevOps reliability, and seamless API-driven integrations—bridging solid backend engineering with efficient and intuitive user experiences.

TECHNICAL SKILLS

Frontend Technologies: Angular, TypeScript, JavaScript (ES6+), HTML5, CSS3, JSON, Ajax, Ionic Framework
UI/UX & Design: Responsive Web Design, Cross-Browser Compatibility, UI/UX Principles, Wireframe Translation
Backend Technologies: Java, Spring Boot, Microservices, RESTful APIs, SOAP, Middleware Integration
Databases: PostgreSQL, Oracle Database, PL/SQL, SQL, NoSQL
DevOps & Tools: Git, GitHub, Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions), Jira
Methodologies: Agile, Scrum, Software Development Lifecycle (SDLC)

PROFESSIONAL EXPERIENCE

Inovace Technologies Ltd. | Software Engineer — Dhaka, Bangladesh *Sep 2025 - Present*

- Design, enhance, and maintain distributed HRM systems built on **Spring Boot**, **Vue.js 2**, and **AngularJS 1**.
- Integrate and optimize event-driven communication using **Kafka**, **Redis**, and **Debezium** to synchronize data between **MySQL** and **PostgreSQL** databases.
- Maintain high-availability workflows where legacy biometric devices send data via **HTTP** and modern devices use **MQTT**, unified through **Node.js**, **Vernemq**, and **Nginx** into a centralized system.
- Collaborate with cross-functional teams to design and deploy new admin and client panel features, ensuring performance, reliability, and observability across distributed services.
- Deliver resilient APIs, efficient database schemas, and optimized pipelines while contributing to **CI/CD** automation and scalable production deployments.

Midas Software Solutions Ltd. | Software Engineer (Java) *Mar 2023 - Aug 2025*

Project: SMBC (Jun 2025 - Present) | *Client: Sumitomo Mitsui Banking Corporation*

- Develop and customize user-facing screens for the Oracle FLEXCUBE banking platform using JavaScript, HTML, and XML to meet specific UI/UX requirements.
- Collaborate with Oracle and client teams to translate business requirements and technical specifications into functional frontend and backend solutions.
- Integrate frontend components with backend Oracle Banking Payments (OBPM) and FLEXCUBE modules using Java, ensuring efficient and reliable workflows.
- Debug and resolve frontend issues, ensuring UI consistency and optimal performance across the application.
- Conduct rigorous API testing using Insomnia to validate data integrity between the UI and backend services.

Project: dBankPro (Sep 2024 - Jun 2025) | *Client: Bank Danamon Indonesia*

- Developed high-performance RESTful APIs using Java and Spring Boot to power digital banking frontend applications, ensuring secure and high-speed communication.
- Implemented OAuth 2.0, JWT, and RBAC security standards to protect API endpoints consumed by the user interface.

Project: NGI (Mar 2023 - Aug 2024) | *Client: Bank Danamon Indonesia*

- Designed and implemented REST APIs using Java Spring microservices to seamlessly connect backend modules with frontend components.
- Led the architectural migration from a monolith to a microservices-based system, exposing core workflows as REST endpoints to enhance frontend integration capabilities.

MehvozSoft | Application Developer *Sep 2021 - Feb 2023*

- Led frontend development for multiple web and mobile applications, building responsive and dynamic user interfaces with **Angular** and the **Ionic Framework**.
- Architected and implemented the complete frontend for three major applications (Express Entry Calculator, Adhaan, and BuyOrRent), focusing on modularity and scalability.

EDUCATION

Stamford University Bangladesh 2021

Bachelor of Science, Electrical & Electronic Engineering

Notre Dame College 2006

Higher Secondary Certificate (HSC), Science

CERTIFICATIONS & LANGUAGES

IELTS (Academic): Score 6.5, British Council
Introduction to Machine Learning: Coursera

Languages: English (Professional Proficiency), Bangla (Native)