

# TANVIR ALAM

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Mohammadpur, Dhaka, Bangladesh | 01716416679 | tanviralamshuvo@gmail.com

Portfolio: <https://tanvir-ux.github.io/>

## SUMMARY

Highly skilled Software Engineer with 5+ years of experience in developing enterprise-level applications, specializing in Java microservices, REST APIs, core banking, and digital banking platforms. Proven track record in delivering scalable, secure, and high-performance solutions across major banking clients including SMBC and Bank Danamon. Experienced in DevOps, containerization, OAuth 2.0, and middleware integration.

## PROFESSIONAL EXPERIENCE

### Midas Software Solutions Ltd. | Software Engineer (Java) | March 2023 – Present

- Project: SMBC (Jun 2023 – Present) | Partner: Oracle | Client: Sumitomo Mitsui Banking Corporation (SMBC)
  - Upgrading Oracle FLEXCUBE (FCUBS) to version 14.7 and integrating Oracle Banking Payments (OBPM) 14.7.
  - Customized FLEXCUBE/OBPM modules using Java, PL/SQL, and Oracle Database.
  - Modified existing screens and developed new ones using RAD, XML, HTML, JavaScript, and Java.
  - Extended and customized existing Java JARs for client-specific workflows.
  - Enhanced PL/SQL packages, procedures, and functions to support business logic.
  - Integrated OBPM payment workflows with FLEXCUBE.
  - Conducted API testing using Insomnia and managed deployments on Oracle WebLogic Server.
  - Used Git for version control and JDK 1.8 for builds and compatibility.
  - Collaborated with Oracle and client teams to ensure smooth deployment and testing.
- Project: dBankPro (Sep 2024 – Jun 2025) | Partner & Client: Bank Danamon Indonesia
  - Developed and maintained Java microservices for digital banking using Spring Boot and PostgreSQL.
  - Built and consumed RESTful APIs for secure, high-performance communication with frontend and third-party systems.

- Implemented OAuth 2.0, JWT authentication, and RBAC for enhanced API and service-layer security.
  - Deployed containerized services using Docker and Kubernetes for horizontal scalability.
  - Automated CI/CD pipeline with Jenkins and GitHub Actions for REST APIs and microservices.
  - Tuned database queries and indexing strategies to optimize backend performance of REST endpoints.
- Project: NGI (Mar 2023 – Aug 2024) | Partner: Oracle | Client: Bank Danamon Indonesia
    - Developed core banking modules using Java Spring microservices, Oracle FLEXCUBE, and PL/SQL.
    - Designed and implemented REST APIs to connect microservices and frontend components.
    - Built SOAP Web Services integrated with Oracle Fusion Middleware for legacy systems.
    - Led the transition from monolithic architecture to a fully microservices-based system, enhancing scalability and modularity.
    - Built and exposed FLEXCUBE workflows as REST endpoints for external integrations.
    - Enhanced Oracle Database performance for REST API interactions using indexing and partitioning.

### **MehvozSoft | Application Developer | Sep 2021 – Feb 2023**

- Developed RESTful backend services using Spring Boot and Node.js for mobile and web applications.
- Designed microservice-based architecture for scalable deployments of apps like Express Entry Calculator, Adhaan, and BuyOrRent.
- Integrated REST APIs into Ionic Angular and Angular apps to deliver real-time data and enhance user experience.
- Ensured responsive UI/UX using Angular with state management and API error handling strategies.
- Followed modular design principles to keep REST API controllers decoupled and maintainable.

### **TECHNICAL SKILLS**

- Backend: Java, Spring Boot, Microservices, REST APIs, SOAP, Middleware Integration
- Frontend: Angular, TypeScript, JavaScript, Ionic Framework
- Database: PostgreSQL, Oracle Database, PL/SQL, SQL, NoSQL
- DevOps: Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions), Git/GitHub
- Security: OAuth 2.0, JWT, RBAC

## EDUCATION

Bachelor of Science in Electrical & Electronic Engineering  
Stamford University Bangladesh | CGPA: 3.25/4.0 | Graduated: 2021

Higher Secondary Certificate (HSC) in Science  
Notre Dame College | CGPA: 4.5/5.0 | Graduated: 2006

Secondary School Certificate (SSC) in Science  
Brother Andres High School | CGPA: 5.0/5.0 | Graduated: 2004

## CERTIFICATIONS

Introduction to Machine Learning | Coursera | Jan 2021 – May 2021

IELTS (Academic) | Score: 6.5 | British Council

## LANGUAGES

English (Professional Proficiency)  
Bangla (Native)

## REFERENCES

Available upon request.