Shivam Kumar Singh

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Professional Summary

Java Backend Developer with 2.5+ years of experience in **FinTech and banking systems**. Strong expertise in **Java, Spring Boot, Spring MVC, REST APIs, and Microservices**. Hands-on experience in **secure backend development** including **JWT authentication, AES-256 encryption**, and **Oracle to MySQL database migration**. Experienced in maintaining **production-critical financial systems** while delivering **compliant, scalable, and secure solutions**.

Technical Skills

Backend: Java, Spring Boot, Spring MVC, REST APIs, Microservices
Database: MySQL, Oracle SQL
Security: JWT, AES-256, HMAC-SHA256
Cloud & DevOps: AWS (KMS), CI/CD, Jenkins, Ansible
Servers: Apache Tomcat, WebLogic, WildFly
Tools: Git, GitHub, Bitbucket, Postman, Eclipse
Frontend: JSP, jQuery, JavaScript, HTML, CSS
Professional Skills: Agile/Scrum, Client Interaction, Production Support, Team Collaboration, Communication

Work Experience

Financial Software & Systems (P) Ltd   February 2023 – Present

Software Engineer   *Chennai, India*

- Worked on **production-grade FinTech and banking systems**, handling transaction reconciliation, GL tally, and financial reporting to ensure **data accuracy and compliance**.
- Contributed to the **Recon Project**, automating extraction and processing of files across multiple interchanges, enabling **reliable downstream processing**.
- Led **Oracle to MySQL database migration**, refactoring backend services and integrating **AWS KMS with AES-256 encryption and HMAC-SHA256**, strengthening system security.
- Resolved **transaction-impacting production issues** in live banking environments, ensuring **zero downtime and uninterrupted operations**.
- Implemented **MasterCard SCA exemptions** for Brightwell Bank, improving authentication user experience while meeting regulatory requirements.
- Supported **EMVCo certification (3DS ACS)** via the FIME portal, ensuring compliance with international payment standards.
- Designed and implemented **JWT-based authentication** for IDFC First Bank, enhancing security for digital banking applications.
- Developed **Declined Card handling** (Visa/MasterCard) for IDFC First Bank, optimizing transaction flow and customer experience.
- Built and maintained **RESTful APIs** for **risk-based assessment systems** at MDAQ Bank, supporting fraud detection workflows.
- Developed backend modules including a **CRUD-based Customer Management System** using Spring MVC and Oracle.
- Collaborated with cross-functional teams and clients to improve **delivery quality and production support efficiency**.

Awards & Achievements

Champion of the Quarter   Q4 2023-2024
Recognized for leading complex initiatives at IDFC First Bank with **seamless, high-impact implementations.**

Team of the Quarter   Q4 2023-2024
Honored as part of the ACS team for **EMVCo (3DS ACS) certification**, ensuring **global payment compliance.**

Education

LNCT University   November 2021 – May 2023

Masters of computer application   *Bhopal, M.P.*
CGPA: 8.39