

Shivam Kumar Singh

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Professional Summary

Result-oriented Java Backend Developer specializing in building secure, scalable, and high-performance backend systems in the FinTech domain. Skilled in Spring Boot, Spring MVC, Microservices, REST API design, and AWS. Experienced in implementing data encryption (AES-256), data integrity and authentication mechanisms (HMAC-SHA256, JWT), managing database migrations (Oracle → MySQL), and ensuring regulatory compliance (3D Secure ACS, EMVCo). Known for delivering impactful projects, resolving production-critical issues, and collaborating with cross-functional teams to develop reliable financial solutions.

Technical Skills

Languages: Java, JavaScript
Database: Oracle SQL, MySQL
Frontend: HTML5, CSS, JSP, Bootstrap, jQuery
Framework: Spring Boot, Spring MVC, J2EE / Jakarta EE
DevOps & Cloud: Ansible, AWS, CI/CD, Git, Jenkins
Server: Apache Tomcat, WebLogic, WildFly
Tools/Software: SQL Server, Postman, Portecle, PuTTY, WinSCP
Version Control: Github, Bitbucket
Architecture/Patterns: REST API Design & Implementation, Microservices
Professional Skills: Agile Methodologies, Strong Communication, Client Interaction, Time Management, Team Collaboration, Flexibility

Work Experience

Financial Software & Systems (P) Ltd

August 2023 – Present

Software Engineer

Chennai, India

- Migrated database from Oracle to MySQL, refactored backend code, and integrated AWS KMS with AES-256 encryption & HMAC-SHA256, strengthening system security and compliance.
- Resolved transaction-impacting production issues at Mettle, ensuring 100% uptime and seamless financial operations.
- Implemented SCA Exemptions for MasterCard at Brightwell Bank, improving authentication UX while meeting compliance.
- Facilitated EMV Co. certification via FIME portal, ensuring compliance with international transaction standards.
- Designed and implemented JWT-based authentication for IDFC First Bank, enhancing digital banking security.
- Developed Declined Card feature (Visa/MasterCard) for IDFC First Bank, optimizing transaction flows and customer experience.

Financial Software & Systems (P) Ltd

February 2023 – July 2023

Software Engineer Intern

Chennai, India

- Built a CRUD-based Customer Management System using Spring MVC & Oracle, strengthening backend fundamentals.
- Designed REST APIs for Risk-Based Assessment at MDAQ Bank, enabling smarter fraud detection.
- Gained hands-on expertise in Java, Spring MVC, Eclipse IDE, and Oracle DB.
- Improved team collaboration & client communication skills through active project involvement.

Awards & Achievements

Champion of the Quarter

Q4 2023-2024

Recognized for leading complex initiatives at IDFC First Bank with seamless implementations.

Team of the Quarter

Q4 2023-2024

Honored for successful EMV Co. certification as part of ACS team.

Education

LNCT University

November 2021 – May 2023

Masters of computer application

Bhopal, M.P.

CGPA: 8.39