

Shivam Kumar Singh

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Professional Summary

Experienced Java Backend Developer with strong expertise in FinTech domains like 3D Secure ACS and Recon, delivering secure, scalable systems using Spring Boot, Spring MVC, Microservices, and REST APIs. Proficient in AWS, Oracle/MySQL, and implementing AES-256 encryption, JWT, and HMAC-SHA256 for robust backend security and regulatory compliance.

Technical Skills

Languages: Java

Database: Oracle SQL, MySQL

Frontend: HTML5, CSS, JSP, JavaScript, Bootstrap, jQuery

Framework: Spring Boot, Spring MVC, J2EE / Jakarta EE

Tools/Software: SQL Server, Postman, Portecle, PuTTY, WinSCP

Server: Apache Tomcat, WebLogic, WildFly

Version Control: Git, Bitbucket

Architecture/Design Patterns: Restful APIs, 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

- Successfully migrated the database from Oracle to MySQL and refactored code for optimal integration. Implemented AWS KMS for secure key management, AES-256 encryption/decryption using KEK and DEK keys, and integrated HMAC-SHA256 for cryptographic signing and data integrity.
- Successfully resolved production issues affecting transactions at Mettle through targeted fixes, ensuring seamless operational performance. Implemented SCA Exemptions tailored for MasterCard transactions at Brightwell Bank, streamlining authentication processes and enhancing user convenience while adhering to regulatory requirements.
- Facilitated EMV Co. certification via the Fime portal, ensuring compliance with transaction standards and security protocols. Implemented JSON Web Token authentication for enhanced security measures at IDFC First Bank, safeguarding sensitive data and ensuring secure access to digital services.
- Managed encoding and decoding of PID data, ensuring secure handling for IDFC First Bank. Addressed production issues promptly, implementing minor changes to maintain operational efficiency. Developed and enhanced the Declined Card feature for both MasterCard and Visa, optimizing transaction processes and user experience at IDFC First Bank.

Financial Software & Systems (P) Ltd

February 2023 – July 2023

Software Engineer Intern

Chennai, India

- I acquired proficiency in Java programming, creating Dynamic Web Projects with Spring MVC, and implementing a CRUD project for Customer Management, designing REST APIs for MDAQ Bank to enhance Risk Base Assessment, gaining hands-on experience with Oracle databases and Eclipse IDE.
- I developed crucial communication skills essential for effective collaboration and client interaction.

Awards & Achievements

Champion of the Quarter

Q4 2023-2024

Recognized as Champion of 4th Quarter 2023-2024 for leading complex initiatives at IDFC First Bank, achieving seamless implementations and earning commendation for outstanding service delivery.

Team of the Quarter

Q4 2023-2024

Recognized as Team of 4th Quarter 2023-2024 for the ACS team's dedication, working tirelessly to achieve successful EMV Co. Certification, showcasing our commitment to excellence under challenging conditions.

Education

LNCT University

November 2021 – May 2023

Masters of computer application

Bhopal, M.P.

CGPA: 8.39