HRITIK CHAUDHARY

SOFTWARE ENGINEER

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PROFESSIONAL EXPERIENCE

Software Engineer I - Software Engineer II
NCR CORPORATION   February 2021–Present

- Being the Security Champion **led PCI DSS (Payment Card Industry Data Security Standard) audit** and certification initiatives, ensuring robust data protection and security compliance, while completing 110+ feature stories/requirements to actively contribute to team success.

- Conducted comprehensive core API analysis and optimization, identifying performance bottlenecks, refactoring and optimizing implementation to **achieve 30% reduction in execution time**, thereby enhancing overall application responsiveness and performance.

- **Implemented critical tenant aggregation feature** enabling schema-based multi-tenancy capabilities within the application, enhancing core functionality and scalability to support multiple tenants through 6 months of cross-functional collaboration.

- Enhanced application audit logging feature through seamless integration of ActiveMQ and Kafka, **ensuring 100% reliability** by persistently storing messages in message queue when customer service is offline.

- **Migrated core libraries** (Hibernate and Spring) from version 4 to latest version 6, and JDK from 11 to 17, ensuring compliance with latest industry standards and best practices.

- Performed security audit, identifying and **resolving 20+ critical and high-risk vulnerabilities**, significantly minimizing security risks and potential revenue loss for the organization.

- **Developed Internationalisation feature** with support for language layering, expanding support to additional 7 languages.

Software Intern
DRDO | Ministry of Defence | Delhi   May 2020–July 2020

- Conducted penetration testing using ApkTool, Burp Suite, and Wireshark, identifying vulnerabilities for 2020 audit.

- Reverse engineered 5 Android apps, exploiting flaws and adding backdoors via Metasploit, demonstrating security skills.

EDUCATION

Bachelors of Technology
Major: Computer Science & Engineering | Minor: Management

SKILLS

Java, Spring, Hibernate, Microservices, REST APIs, Postgres, Oracle, SQL, Angular, Javascript, Typescript, C++, React, Docker, Kubernetes, CI/CD, LDAP, SSO, SAML, OAUTH, Algorithms, Data Structures

PROJECTS

ISeeU - Hospital Manager   2023

- Developed microservices-based architecture for full hospital management platform supporting 150+ employees and 5,000+ patients, enabling quick appointment booking, increasing online bookings by 35%.

- Integrated 8 key functionalities: patient management, staff administration, inventory control (tracking 3,000+ items), appointment scheduling (500+ bookings/month), billing services

- Tech Stack: Java, Spring Boot, ReactJs, PostgreSQL, Docker, AWS.

AI Calling Platform   2021

- Calling platform with ability to summarise over 500 call recordings and generate an excel with caller details.

- Tech Stack: Python, NLTK, Text-to-Speech model, Twilio, NGROK

ACHIEVEMENTS

- **Cheers Award for Innovation** Won innovation award for creative problem solving for Hibernate migration impacting 5 teams.

- **Received recognition and cash prizes** for innovation showcased at an internal company hackathon, advancing to round 2 of the patent consideration process, and delivering outstanding conference talks, **with special commendation from the CEO.**