Amrendra Kumar **Singh**

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Technical Lead | Technology Analyst | Software/System Engineer

Career Profile

Dynamic software engineer excelling in crafting top-tier applications and spearheading high-impact teams. Renowned for client engagement and innovating with cutting-edge technologies.

Profile Summary

- ➢ 6+Years of experience as a Software Professional in Development, Migration, Support, and Implementation of Web based Applications involving Java, J2EE Technologies. Good Experience in Analysis, Design, Coding, Testing, Documentation, and web-based applications.
- ➢ Strong Skills in Core Java, J2EE, Spring Boot, Micro Services, Hibernate.
- ➢ Good Work experience in Java 8 & 11, Spring, Hibernate, IBM Portlet, Spring Core, Spring Data, Spring MVC, Spring Integration, Spring Cloud, Spring Batch, Spring JDBC, Spring Security, REST API, Node JS,AWS (SQS, EC2, Lambda, KS, S3), Rabbit MQ, JSP, Servlet, JavaScript, HTML5, CSS, AJAX, jQuery, Json, JDBC, Oracle ,MySQL, Mongo DB, Oracle SQL queries, Maven, GIT, Bitbucket, JUNIT & Mockito, Docker Tool, Jenkins continuous integration, Lucid Chart, Apache Tomcat.
- ➢ Extensively worked in software development cycle in Waterfall, Scrum & Agile.
- ➢ Tools familiar with SQL Developer, POST Man, Jira.
- ➢ Skilled in handling multiple tasks and managing, meeting deadlines, coordination with Offshore Team, releases, meeting with clients and addressing their concerns.
- ➢ Experience in preparation of functional, low level technical Specs and design Documents

Core Competencies

- Application Testing/Deployment
- Object-Oriented Programming
- Data Migration
- Agile/Waterfall Methodologies
- Test Case Development
- Needs Analysis
- Team Leadership
- Version Control
- Collaboration

Technical Proficiencies

Java Technologies:	Java, J2EE, and Restful, JDBC, JSP, JSTL, Servlets,
Spring Framework:	Spring core framework, Spring Boot, Spring Cloud, Spring Batch, Spring Data, Spring Security
Application Serve:	Tomcat
Databases:	MySQL, Oracle
Scripting/Markup Languages:	HTML/HTML 5, CSS/CSS3, JavaScript, XML, Bootstrap, Typescript
Methodologies:	Agile, Waterfall, Scrum
Version Control:	Git
Unit Testing:	Junit, Mockito, Postman
Defect/Bug Tracking	JIRA, Bugzilla, LANDesk Ticket management System
Data Formats:	XML, JSON, YML
Other:	Lambda Expressions, Postman, MS Office, Nodejs, REST, Docker

Professional Experience

NUGGET.AI, APRIL 2023 TO AUGUST 2023
INTERN
Project: Played a pivotal role in the backend development of an AI-enhanced platform, focusing on secure authentication, robust authorization, and efficient database interactions tailored for the recruitment domain.
Technologies Used:Java, Spring Boot, Spring Security, JPA, JWT, MongoDB, AWS, INTELIJ

- Designed and implemented a secure authentication mechanism using JWT and Spring Security, ensuring that only authorized users can access the platform's features.
- Employed Spring Security to set up role-based authorization, allowing fine-grained access control and enhancing platform security.
- Utilized JPA for seamless database interactions, enabling CRUD (Create, Read, Update, Delete) operations on MongoDB, ensuring data integrity and efficiency.
- Collaborated with the team to integrate JWT-based authentication with the platform's frontend, ensuring a seamless and secure user experience across all interactions.

HCL TECHNOLOGIES, JUNE 2021 TO NOVEMBER 2021
TECHNICAL LEAD

- Developed Restful API in JAVA on Micro-Service Architecture using Spring Boot /Cloud.
- Deployed Spring Boot based microservices in Docker.
- Debugged the existing monolithic architecture to convert it to microservice architecture.
- Used Microservices architecture, with Spring Boot based services interacting through a combination of REST and Spring Boot
- Understand and define the scope of work for the team, develop strategy for the product features under consideration, as well as develop, design, and execute the plan.
- Extend the server technology and framework by using Java fundamentals, J2ee, RabbitMQ, building REST Services, Spring, Spring MVC, Spring Boot, UML, JDBC, Oracle, REST APIs and build tool such as Maven, deploying in WebSphere Application Server.
- Experience with user interface component libraries for Spring, Hibernate applications.
- Used Hibernate ORM framework as persistence engine, configured O/R mapping and wrote hibernate queries using HQL.
- Conducted daily stand-ups, maintaining effective communication between the team, Scrum Master, and Product Owner to ensure project alignment.
- Managed a diverse team of developers, testers, and Scrum Masters, overseeing all phases from design to deployment.
- Ensured quality assurance and compliance by reviewing project activities and engaged with business stakeholders for requirements gathering and status reporting.

Technologies: Java 8, J2ee, Spring, Spring Boot, Micro Services, log4j, jQuery, JUnit, HTML, CSS, JavaScript, REST API, Docker, JSON, GitHub, Bitbucket, Jira, Scrum Methodology

INFOSYS, JULY 2019 TO JUNE 2021

TECHNOLOGY ANALYST

- Developed Microservices using Spring MVC, Spring Boot, and Spring Cloud.
- Implemented RESTful Microservices using Spring Boot Framework. Generated Metrics with method level granularity and Persistence using Spring Actuator
- Implemented micro-service to read data from Elasticsearch using REST Java API.
- Designed the REST API in Node.js for the client to consume and use the Express.js framework on Node.js for quick development.
- Used MongoDB database in backend Node.js service and connected it through MongoDB node.js driver.
- Review technical questions / clarifications, coordinate with client team and technical Architects to design and develop services and data models.
- Functioned as the primary client liaison, focusing on tool enhancement and reliability, which culminated in a significant 90% client satisfaction rate.

Technologies: Java 8, J2ee, Spring, Spring Boot, , Node JS, RabbitMQ, Mongo DB, Micro Services, log4j, jQuery, JUnit, HTML, CSS, JavaScript, REST API, Docker, JSON, GitHub, Bitbucket, Jira, Scrum Methodology

INFOSYS, MAY 2017 TO JULY 2019

SENIOR SYSTEM ENGINEER

- Collaborated with business teams for requirement gathering and contributed to both high-level and low-level technical design documents.
- Consistently participated in daily scrum calls and sprint planning meetings to align development goals and timelines.
- Coordinated across departments to finalize technical designs, focusing on a monolithic architectural approach for application implementation.
- Managed development team efforts, employing Spring 4 and Spring MVC frameworks in the application design and development process.
- Implemented database operations using Spring Hibernate Template, and developed middleware components using POJOs.
- Utilized Hibernate for data persistence, creating specific queries, configurations, and mapping files tailored for Oracle Database.
- Led the test strategy and QA testing in an Agile environment, clearly defining the data source, components, and scope for User Acceptance Testing.

INFOSYS, AUGUST 2015 TO MAY 2017

SYSTEM ENGINEER

- Expedited ticket resolution and task assignment by systematically prioritizing based on issue severity and skill set, ensuring efficient workflow.
- Diagnosed and troubleshooted Java application issues, utilizing error logs, stack traces, and system behaviors for analysis. Collaborated with development teams for code fixes.
- Engaged directly with clients during high-urgency scenarios, enabling swift communication and effective resolution of Java-centric challenges.

- Generated comprehensive client reports and technical documentation, aiding both support teams and end-users in overcoming recurrent technical hurdles.
- Contributed to enhancement and feature development, working alongside the development team to refine and extend Java application functionalities.
- Led bug fixing initiatives, implementing patches and updates to improve application stability and performance, and ensuring customer satisfaction.

INFOSYS, JANUARY 2015 TO MAY 2015
INTERN

- Garnered comprehensive knowledge and practical experience in Java, with a focus on object-oriented programming, data structures, and algorithmic design.
- Manipulated data using Java in conjunction with SQL; developed an advanced understanding of Java's role in backend development and database operations.
- Applied proficiency in Java-centric software development tools, specifically the Eclipse IDE, as well as experience in writing, debugging, and testing Java code.

Education and Credentials

POSTGRADUATE DEGREE IN INFORMATION TECHNOLOGY, 2023; *Humber College*
BACHELOR OF TECHNOLOGY (B.TECH.) IN COMPUTER SCIENCE, 2015; *KIIT University, India*
OBJECT-ORIENTED PROGRAMMING IN JAVA (J92SQCG9LPNL); *Coursera*
INTERNSHIP CERTIFICATION; *Infosys Limited*