

Amrendra Kumar Singh

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Technical Lead | Technology Analyst | Software/System Engineer

Career Profile

Results-driven, accomplished software engineer highly regarded for developing applications that meet and exceed demanding corporate and client requirements. Sought for superb analytical skills, with the ability to solve challenging problems using a combination of industry standard and cutting-edge technologies, delivering clean, well-structured code. Skillset to work compatibly with clients to understand requirements and develop products that exceed quality expectations with on-time delivery. Strong team leadership skills and ability to collaborate with individuals from diverse backgrounds. Exceptional academic qualifications include a Postgraduate Degree in Information Technology from Humber College.

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/Frameworks:	Java, J2EE, and Restful, JDBC, JSP, JSTL, Servlets, Spring Core, Spring Boot, Spring Security, Spring AOP, Spring Data, Hibernate
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
Data Formats:	XML, JSON, YML
Other:	Lambda Expressions, Postman, MS Office, Nodejs, REST

Professional Experience

HCL TECHNOLOGIES, JUNE 2021 TO NOVEMBER 2021

TECHNICAL LEAD

Project: Led the migration of CAD metadata from Windchill to Siemens' Teamcenter v11, introducing a API for autonomous user migrations. Developed utilities ensured data cleansing and relationship preservation, supported by a streamlined user interface.

Technologies Used: Java, Hibernate, Connection Pooling, JavaScript, HTML, CSS, Bootstrap, MySQL, Servlets, Spring Boot, Spring MVC, Eclipse

- Championed the meticulous transfer of metadata, ensuring the secure and accurate migration of CAD files to Teamcenter v11, demonstrating profound technical expertise.
- Developed and launched a backend REST API using Java and associated technologies, leading to a **30% reduction in developer intervention**.
- Orchestrated business logic enhancements, focusing on client data validation and database connectivity, leveraging connection pooling for optimal efficiency.
- Led rigorous testing, debugging, and Java code corrections, ensuring the delivery of high-quality software and system functionality, indicative of an experienced developer's precision.
- Pioneered the design of interactive web interfaces using HTML, JavaScript, CSS, Bootstrap, and Thymeleaf, showcasing advanced UI/UX skills.
- Directed a team of 5 developers, emphasizing collaboration, quality, and adherence to project timelines, reflecting leadership capabilities.
- Boosted application performance by refining database connection pooling mechanisms, showcasing a focus on system efficiency and scalability.
- Maintained proactive engagement with clients, transforming their feedback into actionable technical specifications, culminating in a **95% satisfaction rate**, indicative of superior client relationship management.

INFOSYS, JULY 2019 TO JUNE 2021

TECHNOLOGY ANALYST

Project: Development of restful service for the migration of data, CAD files, PDF files, etc. from one system to another

Technologies Used: Core Java, Java/J2EE, JDK, Spring MVC, Hibernate, Tomcat, Agile methodology, RESTful Web Services, MySQL, Junit, Mockito

- Leveraged deep technical expertise to design and architect a robust data migration REST application using Java, MySQL, Hibernate, and Spring Boot, leading to a **30% reduction** in migration time for the client.

- Conceptualized and executed a script for optimized extraction from PDF files, streamlining the data retrieval process and reducing manual tasks by **40%**.
- Devised an innovative application that decoded intricate relationships between CAD files and their associated parts, enhancing the reliability of data relations.
- Orchestrated code development, integration testing, and onsite technical support, ensuring swift and smooth deployment.
- Instituted a seamless code collaboration environment using Git, minimizing code conflicts, and ensuring faster product iterations.
- Employed the functionalities of BMIDE to customize the Teamcenter tool, enhancing its alignment with client-specific processes and needs.
- Proactively diagnosed and rectified software issues, reflecting dedication to software reliability and performance.
- As the pivotal client liaison, bolstered tool performance and reliability, achieving a **90% client satisfaction rate**

INFOSYS, MAY 2017 TO JULY 2019

SENIOR SYSTEM ENGINEER

Project: Customization and configuration of the Teamcenter tool

- Played an instrumental role in the development of Java-based software solutions, achieving a **20% improvement** in application stability by aligning precisely with client specifications.
- Spearheaded operations in the BMIDE module within Teamcenter, pioneering the creation of LOVs, items, and naming rules, which led to a more streamlined user experience for clients.
- Diligently assisted in both the documentation and execution of test cases, resulting in a **15% reduction** in software anomalies and bolstering software reliability.
- Emerged as a trusted liaison between the company and clients, deftly addressing client queries, resulting in consistently high feedback scores for customer support.
- Committed to continuous learning and innovation, regularly updating knowledge with the latest development tools and techniques, ensuring the team's methodologies remained at the industry's cutting edge.

INFOSYS, AUGUST 2015 TO MAY 2017

SYSTEM ENGINEER

Project: Support for Teamcenter tool

- Drove the resolution of open support tickets by collaborating within a team environment.
- Prioritized/triaged requests by severity and delegated tasks to team members based on availability and skill.
- Troubleshoot and diagnosed issues related to applications, code, configurations, or environments; analyzed/interpreted error logs, stack traces, and system behavior to determine the root cause of problem.
- Coordinated across development teams to investigate and fix software bugs or errors found in Java applications or frameworks; participate in code analysis, change implementation, and fix testing.
- Engaged with customers to respond to their queries and devise timely and effective solutions to their Java- related problems.
- Participated in the resolution of high-priority (P1) issues, communicating directly with clients to ensure their needs were met and issues resolved in a timely manner.
- Prepared client reports detailing the progress and strategies used in managing the application.
- Drafted and updated technical documentation, knowledge bases, and FAQs to assist both the support team and end-users in troubleshooting common issues.

INFOSYS, JANUARY 2015 TO MAY 2015

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- 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