

Nirmal Borkar

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Solutions-driven **Senior Software Engineer** with experience specializing in the design, development, and optimization of enterprise-level applications using **Java Springboot and Hibernate** in an agile and collaborative environment to **understand requirements, design, code, and test** innovative applications. Excellent communication and problem-solving skills with expertise in **debugging, troubleshooting, and providing solutions** to complex technical issues.

Professional Experience:

Senior Software Engineering Specialist

Accenture, Chicago IL (Apr'24-Dec'24)

- Designed and developed cloud integration platform ([CTX](#)), optimizing integrations between Coupa & target client ERP systems; utilized Spring Boot, Java 8, Smooks and Coupa REST API to streamline P2P transactions, enhancing operational efficiency.
- Engineered process flow and use-cases framework to precisely meet business process design and application requirements.
- Executed the deployment of software design strategies and rigorous code review mechanisms to enhance application robustness.
- Created and executed thorough unit tests with JUnit and Mockito to verify the functionality of individual code components, achieving optimal code coverage and uncovering critical defects early in the development process.
- Developed and executed detailed integration test plans to validate data flow across multiple systems, identifying and reporting critical defects to ensure overall system reliability and stability.
- Collaborated closely with senior team leaders to implement OAuth2.0 for secure API authentication, enhancing data protection and compliance with industry standards.
- Optimized slow-running SQL queries using indexing and query optimization techniques, resulting in a 30% reduction in response time.
- Coordinated the transfer of technical test-cases components to testers, leading to a reduction in testing bug identification time.
- Delivered end-to-end application software solutions (build, deployment, and management) in cloud environment (AWS EC2 VM, Cloud9 IDE, Linux OS)
- Automated network port monitoring using Python scripts to detect closed ports and send email notifications.
- Automated API testing processes using Postman and Jenkins, reducing manual testing time by 50% and increase release cycle efficiency.

Senior Platform Engineer

The Shelby Group, Schaumburg IL (Oct'21-Mar'24)

- Developed Tax Engine service(Coupa-Tax Engine Avalara /Vertex) using Java Spring REST API and Coupa callout to get tax calculation from Avalara/Vertex tax application and validate the invoice tax which is used by Coupa for callout and translators which translate incoming Coupa invoice xml payload for Avalara JSON tax request/response and Vertex SOAP tax request/response to Coupa tax engine response.
- Designed database model and API integration using MySQL, Spring Data, and JPA and optimized restful services, leading to a significant increase in application performance and a substantial reduction in API call failures.
- Collaborated with cross-functional teams to address technical challenges, resulting in an increase in project efficiency and successful integration of new platform features.

Platform Engineer

The Shelby Group, Schaumburg IL (Feb'19-Sep'21)

- Orchestrated the design, implementation, and optimization of platform integration objects into Coupa, significantly reducing processing time and enhancing operational efficiencies.
- Led the implementation and optimization of procurement platform integrations with client ERP systems Lawson, Peoplesoft, and Oracle Cloud 18c, driving significant improvements in operational optimization and efficiency within the organization.
- Made significant contributions to the base-code phase of Digital Invoice project, leading to a reduction in software development timelines and improved project efficiency.

Graduate Teaching Assistant

Northern Illinois University, DeKalb IL (Mar'18-Jan'19)

- Utilized Zotero, Doodle, and Qualtrics to optimize project workflows, leading to improvements in productivity and efficiency metrics.
- Managed and maintained research and management data, ensuring high accuracy and timely accessibility

Technical Skills:

Programming Languages: JAVA, C#, SQL, Python, JavaScript, TypeScript

Web Technologies: Angular5, ReactJS, JSP, XML, JSON, Bootstrap, RESTful web services, HTML, CSS

Tools: Maven, Jenkins, Apache Tomcat, AWS, Postman, JIRA, Docker, Tableau

Version Tools: GIT

IDE: Spring Tool Suite, Microsoft VS Code, Eclipse

Databases: MySQL Server, MongoDB

Education:

Master of Science in Computer Science at Northern Illinois University, IL

Bachelor of Engineering in Information Technology at Nagpur University, India