Garima Tiwari

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Senior Software Engineer and Blockchain Consultant

Over seven years of experience in application development as a leader in software engineering

Key Qualifications

- Results-driven project leader across software, web, and application development lifecycles with a talent for driving on time results
- Excel at using a wide array of tools and quickly learning new technologies to improve processes, reduce costs, and implement Agile methodologies
- Excel at Java and J2EE Technologies, Team Leadership, Requirements Gathering, Coding, Testing, Software Development Lifecycle (SDLC), and Distributed Ledger Technologies (Blockchain)

Professional Experience

Ernst & Young – Singapore
Senior Associate, Oct. 2018 to Jan. 2022

Technologies Used: Java 8, Maven, Springboot, Rest Web Services, Swagger, Mongo DB, .NET, Python ,Apache Kafka, AWS Services, Microsoft SQL Server, Oracle Database, Talend, JIRA, Confluence, Github, RPA (UiPath), Quorum, Geth, Hyperledger Fabric, Klaytn

Manage small teams across multiple projects as a strategic planner in all aspects of project progress from inception to completion. Guide web application design, Java/J2EE development, REST webs services, and initiatives across Performance Improvement (Advisory). Gather and analyze requirements, collaborate with clients, review code, and conduct testing/data validation and verification.

Selected Contributions:

- Promoted within 11 months to a Senior Associate position in recognition of outstanding performance
- Quickly learned and applied multiple technologies, including Low Code Development, Blockchain, and RPA
- Managed and mentored a team of junior developers (team size of 5) for implementation of project while adhering to the best industry standards and practices
- Excelled as a Research Analyst for development of an application to lead secure transactions using Python; oversaw KeyVault management and signing of transactions using Microsoft Azure modules. Performed functional testing, code reviews, and unit testing
- Managed manual processes and an internal team as an RPA Developer in charge of requirements gathering, development of attended robots, process improvements, testing, and code review
- Data Migration Analyst and team leader for a new regulatory management system with oversight of requirements gathering, script development, and data validation/verification.
- Identified key risk portfolios within Data Migration applications, suggested and implemented efficient solutions in mitigating them
- Mapped the necessary functional requirements and created the technical design document for implementing the identified business processes and workflows
- Designed and developed custom interfaces in Java and .NET languages to connect to blockchain based solutions while addressing the potential risks and security concerns within the framework. Performed code review and testing to ensure the compliance and quality of the developed software

- Documented technical design specifications and various parameters of the developed software application for the business users
- Studied various protocols for Klaytn Blockchain and developed test cases to validate the key risks and controls. Documented the technical specification document and test results
- Developed scripts and test cases for various test scenarios using relevant testing tools. Performed load testing of the production grade system ensuring the final product/applications adheres to the defined acceptance/exit criteria

Cognizant Technology Solutions – India
Associate, Sept. 2014 to June 2018

Technologies Used: Java, Spring, Springboot, Hibernate, Rest Web Services, Microservices, MS SQL Server, MySQL , JIRA, ALM tools, Corda Blockchain

Drove development projects across banking initiatives to systematically establish and improve processes. Developed Restful web services for implementation, leveraged cloud technologies, managed testing and code review, and led performance management for small teams. Collaborated with cross-functional teams, ensured timely and accurate documentation, and worked with diverse groups to ensure quality and timely project completions.

Selected Contributions:
- Collaborated with banking sector clients to develop Proof of Concepts leveraging Java, Corda, Natural Language Processing, and Machine Learning
- Drove the development of an application for a futuristic banking branch as a Java Developer, including requirements analysis, coding, unit testing, team leadership, blockchain development, and functionality improvements
- Worked on Proofs of Concept, including gathering data and requirements with in-depth coding and database design
- Led research and development, coding, and database design for a voice-based banking application
- Leveraged analytics and algorithm optimization to develop a personal finance solution
- Managed requirements analysis, workflow improvements, coding, and development of a distributed ledger platform
- Managed and mentored a team of junior developers (team size of 4) for implementation of project while adhering to the best industry standards and practices

Technical Proficiencies

Languages: Java, Python (Basic), SQL, Kotlin (Basic), C, C++, .NET (Basic)
Technologies: AWS Machine Learning, Natural Language Processing (NLP), CORDA, Ethereum Blockchain, Klaytn Blockchain, Apache Kafka, Confluent Kafka, Low Code Technologies.
J2EE Technologies: JSP, JDBC, JNDI, REST Web Services (JAX RS), Microservices (Basic), ETL
Frameworks: Spring, Hibernate, Springboot, JUnit
Databases: MS SQL Server, MySQL, Oracle, Mongo DB
Web Servers: Tomcat 6.0/7.0/8.0
IDEs: Eclipse, Intellij Idea, Android SDK, Visual Studio, Visual Studio Code
Scripting Languages: JavaScript (Basic)
Tools: Bitbucket, Soap UI, SVN, GIT, JIRA, TeamCity, AWS EC2, AWS RDS, SourceTree, Postman (REST Client), Maven, Gradle, Liquibase, AWS Code Build, AWS Code Commit, Docker, SSIS, SSDT, AWS SQS, AWS SNS, AWS Lambda, Talend Big Data

Educational Background

Bachelor of Technology (B. Tech) in Electronics and Communication Engineering, (2014)
Techno India NJR Institute of Technology, Udaipur