

Ashish Ranjan

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SUMMARY

- Software Engineer with 8+ years of experience designing, developing, testing, and deploying web applications, web services, and client/server applications.
- Strong knowledge of Microservices, Spring, Spring Boot, Hibernate, and RESTful Web services.
- Proficient in building Docker images, maintaining containers, and deploying with Kubernetes.
- Skilled in creating and managing CI/CD pipelines using tools like Octopus Deploy and PowerShell.
- Experienced in managing cloud infrastructure on AWS, including EC2, S3, and RDS.
- Expertise in Java, J2EE, Servlets, JSP, HTML, CSS, Spring MVC, Hibernate, and SQL.
- Proven track record in using Agile methodologies, including Test-Driven Development (TDD) and Scrum.
- Proficient in RDBMS concepts and worked with databases such as MySQL, Oracle, and SQL Server.
- Extensive experience in using Maven for application development. Strong knowledge of version control systems like SVN and Git.
- Skilled in unit testing using JUnit and mocking frameworks like Mockito.
- Well-versed in software development lifecycle (SDLC) and experienced in designing and executing automated functional test plans using tools like Cucumber.

EXPERIENCE

Software Developer II, Oracle, USA.

Jan 2017 - Present

Primary stack: Java REST microservices providing CRUD operations using JPA and deployed through Jenkins, led technical design review meeting across teams. Optimized SQL procedures resulting in a 90% reduction in query execution time, improving application performance.

- Designed and developed Microservices using Spring Boot, REST API, created build and deployment scripts using Maven.
- Utilized complex data structures from the Collections Framework in Java/J2EE to build the business logic.
- Implemented various Java and J2EE design patterns, such as Factory, Template, MVC, Singleton, Command, State, Composite, Strategy, and Observer.
- Utilized Spring MVC Framework to handle authentication, authorization, and access control features through Spring Security.
- Created scripts and deployed via CD/CI pipeline using Jenkins for continuous integration. • Used Swagger to design the APIs and Linter to validate the Swagger.
- Designed and implemented edge uplift projects for existing applications.
- Actively worked on Docker for deploying and maintaining Microservices.
- Used Kubernetes to orchestrate the deployment, scaling, and management of Docker Containers.
- Actively involved in overall design and architecture.
- Optimized existing scripts and stored procedures.
- Provided high-level architecture guidance and developed specifications to resolve software problems.
- Proposed and led process improvements, projects for development, deployment, or application monitoring.
- Used Git for source control system and Jenkins for continuous integration. • Worked on converting Java Objects to JPA Objects.
- Used Mockito Framework for mocking objects for internal testing.

Primary Stack: Fraud Detection and Analysis System for Microsoft Sales. Design and develop algorithms for sales analysis. Create and deploy tabular cubes automated scheduled jobs execution time to less than three minutes.

- Designed and developed algorithms using stored procedures for SQL Servers.
- Developed and deployed tabular cubes and integrated them with Power BI.
- Involved in the initial design of Artificial Intelligence integration into Microsoft sales for fraud detection.
- Experience using Selenium with C# for automation testing in Windows Store Insights.
- Involved in early migration of on-premises databases to Azure.
- Developed stored procedures, triggers, cursors, and views in Microsoft SQL.
- Installed and configured Oracle for production-level performance for integration with Azure Data Lake.
- Used Hibernate as an ORM tool and defined the mapping and relationship of each table in the database.

Primary Stack: Involved in development of application for performance tracking.

- Involved in the development of an application for performance tracking.
- Developed the Business layer using Spring MVC.
- Designed and implemented a Java engine and API for direct calls from front-end JavaScript to server-side Java methods.
- Developed application controllers, business and data service modules for web applications.
- Used Hibernate as an ORM tool and defined the mapping and relationship of each table in the database.

Primary Stack: Maintaining and supporting IT systems. Administering Windows and Linux Servers, Developers support for windows and ubuntu.

- Implemented a project to automate and apply DevOps to databases (Oracle, MySQL, Postgres, and MS SQL) for Database Deployment Automation.
- Implemented security, auto scaling, disaster recovery, and monitoring.
- Managed Active Directory, System Center administration, and monitoring.
- Deployed operating systems and AWS EC2 instances.
- Managed IIS websites in production, Active Directory, security, server monitoring, and network infrastructure.
- Provided systems statistical trending and analysis, server capacity and threshold testing, and analysis of new systems designs and technical strategies.

SKILLS

- Languages: Java, C#, SQL, JavaScript
- Frameworks and Technologies: JSP, Servlets, JDBC, Hibernate, Spring Boot, Web Services
- Testing: JUnit 4.x, Mockito
- Development Tools: Eclipse, VS Code, Visual Studio, IntelliJ
- Version Control: Git, SVN
- Build Tools: Maven

EDUCATION

Master of Science in Computer Science

December-2015

Northern Illinois University, DeKalb, IL, USA

Bachelor of Technology in Computer Science

May-2012

Jawaharlal Nehru Technological University, Hyderabad, India