Sathwik Mandadi

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**PROFESSIONAL SUMMARY**

Experienced Software Engineer with 6+ years of expertise in full-stack development, specialized in front-end and backend technologies, AWS cloud services. Proficient in building and optimizing serverless applications using Java, Node.js, React, Angular and AWS services like Lambda, S3, DynamoDB, SNS, and SQS. Skilled in developing RESTful APIs, microservices, and robust UI components with Angular and React. Strong knowledge of CI/CD, testing frameworks, and cloud infrastructure, with hands-on experience in automating deployment pipelines, monitoring with CloudWatch, and conducting integration and UI testing.

**TECHNICAL SKILLS**

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| --- | --- |
| Programming Languages | Java, JavaScript, TypeScript, Python |
| Backend Technologies | Java, Node.js Spring Boot, Hibernate, JPA |
| Frontend Technologies | React.js, Angular, HTML5, CSS3, Bootstrap, JavaScript |
| Database Management | MySQL, PostgreSQL, Oracle, DynamoDB |
| APIs & Web Services | RESTful APIs, GraphQL, Spring REST |
| Cloud Platforms | AWS, Microsoft Azure |
| Container Orchestration | Docker |
| Infrastructure as Code (IaC) | Terraform, CloudFormation |
| Build & Automation Tools | Maven, Gradle, Jenkins, AWS CodePipeline |
| Version Control | Git, GitHub, Bitbucket |
| Testing & Automation | JUnit, TestNG, Selenium WebDriver, Mockito |
| DevOps & CI/CD Tools | Jenkins, Docker, AWS CodePipeline, AWS CodeBuild, AWS CodeDeploy |
| Monitoring & Logging Tools | CloudWatch, AWS X-Ray |
| Development Methodologies | Agile, Scrum, Kanban |
| Bug & Issue Tracking | JIRA |

**PROFESSIONAL EXPERIENCE**

**Mutual of Omaha - ,** - **Present**

**Sr. Full Stack Java Developer**

**Responsibilities:**

* Participated in **Agile Scrum** methodology which involves Daily Stand-up meetings, Bi-week sprints, Retrospective meetings and Sprint Demos.
* Developed web presentation layer using HTML and CSS according to internal standards and guidelines.
* Worked on React JS for creating interactive Ul's using One-way data flow, Virtual DOM, JSX, React concepts.
* Developed user interface by using React JS, Flux/Redux for SPA development.
* Used React JS to create custom components for data manipulations and to display data in company standard format.
* Implemented client-side routing using the Route module in React.
* Worked on several **Java** features such as **Lambda expressions**, **Functional Interfaces**, Optional, completable Futures and **Java Time API** to write effective and reusable code.
* Worked on **Java Stream API** for Bulk data operations on Collections which would increase the performance of the Application.
* Worked on Spring Boot for application development and integrated the application with Spring-MVC, using Spring Dependency Injection and Spring Annotations.
* Migrated the Spring Boot microservices from version 2 to 3 and the Java version from 11 to 17.
* Worked on Spring schedulers to read, process and update the data in the data base tables.
* Used Slf4j logging framework and MDC to generate the logs, **SonarQube** for code quality and coverage, **POSTMAN** tool for testing several of our **REST API’S.**
* Implemented event-based communication between the micro services.
* Created AWS CloudWatch alarms to auto scale the applications based on CPU, Memory utilization and Consumer Lag Alarams using the AWS MSK features to scale the apps.
* Implemented AWS IAM policies to secure data and restrict access levels. Used MSK IAM authentication to control access at the topic level for applications.
* Deployed the Spring boot microservices as a docker image on the AWS ECS Cluster using Fargate Deployment.
* Developed Spring boot microservices to produce and consumes the messages from the AWS MSK cluster setup using Spring Kafka.
* Used GIT for version control, and Jenkins for Continuous Integration and Continuous Deployment (CI/CD).
* **Configured Jenkins to trigger UI tests automatically** during the build process, enabling immediate feedback on the application's front-end performance.
* Integrated RESTful APIs into React frontend using Axios and Fetch for seamless communication with Java-based backend services.
* Writing unit test cases using the JUNIT and Mockito frameworks.
* Used ELK (elastic, Logstash and Kibana) stack for monitoring, reporting, creating dashboards for demonstration status of Application.
* Used JIRA dashboards for tracking the tasks and Bitbucket for the sources code management.
* Implemented manual offset commit to reprocess the failure messages in Kafka using offset id.
* Used Gradle as a build tool and **IntelliJ** as an **IDE** used for developing and testing code locally.

**Environment**: Java11/Java17, Spring Boot2/3, Spring MVC, Spring Cloud, JavaScript, HTML, CSS, Bootstrap, React JS, AWS ECS, SNS, CloudWatch, Docker, Jenkins, ELK, Grafana, Kafka, PostgreSQL, Maven, Spring Schedulers, Bitbucket, JIRA, Slf4j, Junit, Mockito, Postman, SonarQube, CI/CD.

**Carlson Wagonlit Travel-Stamford, CT**

**Full Stack Java Developer**

**Responsibilities:**

* Worked on doing ground up development with Java and related web frameworks, including Java 8, Spring Boot, and REST API.
* Designed, implemented and deployed complex software solutions that fully satisfy the business requirement.
* Followed agile methodology with daily stand-ups and biweekly sprints and retrospectives.
* Created various angular components, services, dependency Injection, forms and used angular life cycle hooks to tune the behavior of the components.
* Used Angular material in the application for responsive layouts, grid, and to reuse the UI Components.
* Created forms using Angular-material and used property and event binding to bind data to the form and performed patch update from the form inputs.
* Collaborated with Business Analyst and Product Owner to ensure clear and well-formed user stories and well-defined defects.
* Developed Micro services using Spring Boot and deploying them as a docker image on AWS using CI/CD pipeline.
* Created Kibana Dashboards and Cloud Watch Metrics, alerts in AWS, Elastic Bean Stack, Created EC2 instances.
* Experienced in working with SQL database with Store Procedures, Functions and joining Queries.
* Ensured that the code quality goals of the team are met, coded unit tests providing 100% code coverage using Sonar.
* Provided technical support including issue investigation and analysis for production alerts; fulfilled tasks that aid monitoring of production health.
* Assisted in preparation and on-the-day activities for production releases.
* Used GIT as version control, GitLab as central repository and JIRA for project management.
* Provided support for functional, regression and performance testing, and provides analysis and recommendation on performance testing.
* Effectively communicated issues and solutions in a clear, consistent manner through appropriate methods (voice calls, email, instant messaging, and ticketing systems).
* Used Swagger, Postman for testing the responses and analyzing the technical issue.
* Worked with wire mock server and created wire mock stubs.
* Executed unit test cases using JUnit and Mockito Testing Framework.

**Environment:** Java, J2EE, Junit, JDBC, Micro services, HTML, CSS, JavaScript, Angular, JSON, SQL Database, REST Web Services, Spring Boot, Spring MVC, Mockito, Swagger, Postman, AWS, Kibana, Docker, Jenkins, CI/CD, Sonar, Maven, Gradle and Rally.

**Ikea - Conshohocken, PA Jan 2022** - **Nov 2022**

**Application Development Associate**

**Responsibilities:**

Core Development:

* Created Front-end Single Page Applications using semantics in HTML5, CSS3, JavaScript, Bootstrap, ReactJS, NodeJS and MongoDB.
* Developed a responsive web design using Bootstrap and CSS3, used of LESS CSS pre-processors to give dynamic behavior to CSS by writing variables, operations and functions.
* Leveraged Spring Boot for building REST APIs and backend services.
* Implemented multithreading and functional programming (Java 8) for efficient data processing.
* Designed and implemented a microservices-based backend system using Spring Boot.
* Implemented efficient data filtering logic using functional programming and Java 8 streams for large datasets.
* Utilized multithreading to optimize processing and reduce execution time for generating daily reports.
* Automated the scheduling of daily entitlement report generation and email delivery to reviewers.
* Automated end-to-end workflows to eliminate manual intervention in the entitlement review process.

• Enhanced reporting accuracy by implementing validation logic and logging mechanisms.

* Developed RESTful APIs to interface with CF APIs for entitlement data fetching and user management.
* Connected with backend CF APIs to fetch user data dynamically.
* Generated reports in text file and Excel formats using libraries like Apache POI.
* Deployed the application in a Red Hat OpenShift containerized environment, ensuring scalability and high availability.
* Implemented CI/CD pipelines using tools like Jenkins and Git, automating builds, testing, and deployment.
* Monitored application performance with Prometheus and Grafana, addressing potential issues proactively.
* Monitored the application’s performance and optimized the codebase for better throughput.
* Worked closely with the business team to understand entitlement rules and review requirements.
* Participated in code reviews to ensure code quality and adherence to industry best practices.
* Ensured compliance with data privacy and security standards by implementing encryption and access control mechanisms.
* Scheduled daily reporting jobs with Spring Scheduler and integrated email functionality for automatic report delivery to stakeholders.
* Scheduled daily reporting jobs with Spring Scheduler and integrated email functionality for automatic report delivery to stakeholders.
* Addressed vulnerabilities and followed best practices for handling sensitive user data.

**Environment:** Java 8, Spring Boot, React, Eclipse, RESTful services, CF APIs, Git, GitHub/GitLab, Agile, JIRA, Confluence, Java Streams, Apache POI (for Excel), multithreading, Red Hat OpenShift, Kubernetes, Jenkins, Prometheus, Grafana, JUnit, Mockito, Slack, Microsoft Teams, Spring MVC, JavaScript, Bootstrap, jQuery, HTML, CSS DOM, JSON, Jira, Python, SQL Server.

**Conquerors Software Technologies Pvt. Ltd Feb 2021** – **Dec 2021**

**Java Developer**

**Responsibilities:**

* Designed, developed, and maintained secure, scalable, and high-performing applications using Java, JavaScript, and related frameworks.
* Created the react components using states, props, keys, forms while building the application.
* Developed the single page application (SPA) using the ReactJS which utilizes the classes, modules feature from JavaScript ES6.
* Designed and developed a Java-based application to filter user entitlements based on predefined rules and business logic.
* Implemented backend systems for financial products like investment tracking and customer portals.
* Developed and maintained RESTful APIs to integrate with other internal and third-party systems.
* Collaborated with architects to develop modular, reusable, and maintainable system designs.
* Analyzed and optimized system performance, ensuring applications can handle large-scale transactions typical in financial services.
* Ensured applications follow best practices in microservices architecture and cloud-based deployment likely on AWS.
* Used monitoring tools such as Dynatrace and New Relic to troubleshoot issues and improve system reliability.
* Worked with cross-functional teams like business analysts, testers, DevOps, and product owners to align technical solutions with business needs.
* Participated in agile ceremonies like sprint planning, stand-ups, and retrospectives as part of a Scrum or Kanban team.
* Implemented secure coding practices to protect sensitive customer and financial data.
* Stayed up to date with compliance requirements like SOX (Sarbanes-Oxley) and other financial industry regulations.
* Involved in Debugging and resolving production issues in a timely manner.
* Wrote and executed unit tests and integration tests to ensure application reliability.
* Provided on-call support when required, ensuring minimal downtime for critical applications.
* Maintained detailed technical documentation for system design, APIs, and workflows for future reference and onboarding.

**Environment:** Java, Spring Boot, Spring Security, Spring Cloud, Spring Data JPA, Hibernate, RESTful APIs, JSON, React.js, Redux, React Hooks, React Router, JUnit, Mockito, HTML5, CSS3, Bootstrap, JavaScript, Jenkins, GitLab, AWS CodePipeline, Docker, Kubernetes, Swagger.