Mitali Chivate

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Summary

Experienced full-stack developer skilled in Java, Spring, and REST APIs, with frontend expertise in React, Angular, and TypeScript. Proficient in all SDLC stages across healthcare, finance, and telecom projects, with a strong foundation in AWS cloud computing and scalable application development. Competent in database management (SQL, MongoDB) and using DevOps tools like Docker, Jenkins, Git, CI/CD.

Experience

Graduate Assistant - Charlotte, North Carolina, United States　　　　　　　　　　　　　**Jan 2023 - May 24**

- Developed **Java Micro-services** and **REST API** endpoints to manage teacher-student data and permissions in DynamoDB for e-learning platform
- Designed real-time data visualization dashboard using **Angular** and **D3.js** to display user engagement and website traffic metrics by creating services for efficient asynchronous data processing
- Integrated **AWS** SDK for Java with RESTful APIs and WebSocket for real-time data fetching and seamless interactions with DynamoDB
- Engineered advanced geolocation features within Angular by embedding Google Cloud Maps API key and generating a responsive map component, to provide enhanced location functionality
- Configured DynamoDB tables with primary keys for teacher and student data, and set up auto-scaling to handle varying workloads efficiently

Software Engineer - Brillio, Bangalore, India　　　　　　　　　　　　　　　　　　　　　**Jun 2021 - Jul 2022**

- Designed **RESTful Web services** and APIs which streamlined and integrated multiple services across Verizon Network portfolio leading to 30% increased efficiency for request handling and server response time
- Developed multiple **Spring Boot** REST APIs from scratch to store and retrieve data from a **MongoDB** Cloud database
- Optimized frontend logic by identifying and removing redundant API calls, leading to 30% faster response time and reduced latency
- Created workflows and decision points using BPMN 2.0 in Red Hat Process Automation, and set up REST Work Item Handlers in Red Hat PAM for easy communication with microservices, resulting in 50% automation rate
- Utilized Fetch API within Angular service implementing **GET and POST requests**, to send clickstream data to Spring Boot backend for storage and analysis
- Followed **Agile** methodology by iterative development process, including SCRUM, regular sprints, Unit Testing, and Continuous Integration, to deliver high-quality software solutions

Software Analyst - Capgemini, India　　　　　　　　　　　　　　　　　　　　　　　　　**Nov 2020 - Jun 2021**

- Implemented **unit testing** using **JUnit** and **Mockito**, reducing the number of bugs by 45% and improving overall code quality by 35%
- Executed comprehensive API testing using **Postman**, **SoapUI**, and **Swagger** to validate and ensure robust communication between services
- Configured **SonarQube** to run during build processes, ensuring continuous monitoring and reporting of code quality for code quality metrics analysis, leading to a 50% improvement in overall code quality
- Configured **Jenkins pipelines** to trigger automated test suites on every code commit, pull request by adding stages to run tests after build stage
- Continuously analyzed and enhanced test coverage for microservices, actively participating in code reviews, ensuring adherence to coding standards and best practices

Software Developer - FncallBack Technologies, Pune, India　　　　　　　　　　　　　　　　**Oct 2019 - Oct 2020**

- Secured the Web APIs by implementing a **JWT tokenization** authentication service using Spring Security and OAuth2 for third-party access
- Utilized **jQuery** for complex **DOM** manipulations and asynchronous operations, ensuring seamless functionality during the transition
- Diagnosed and fixed deadlock problems in **Oracle** merge queries, successfully reducing system downtime and optimizing resource allocation

Skills

- **Software Development Frameworks**: Spring boot, Spring MVC, Spring Security, JPA, Hibernate, REST APIs, Microservices, Javascript, Angular JS, React JS, AJAX, XML, HTML5, CSS3
- **Programming Languages**: Java, C++, C, Python,
- **Tools**: Git, JIRA, Docker, Maven, Jenkins, SonarQube, Nexus, JUnit, Mockito, CI/CD pipelines, Tomcat, Swagger, Hystrix, Postman
- **Databases**: MySQL, Oracle, MongoDB
- **Cloud**: Amazon Web Services

Projects

Get Certified Online

- Designed a Full Stack Web Application that allows users to enroll 10+ courses, take trainings and give exam by making a payment using
- **Spring Boot Microservices** in backend, **Angular JS Material UI** in Frontend and configured **AWS RDS** Database
- Implemented **JWT** Tokenization for authentication, **Hystrix** for fault tolerance, **Netflix Eureka** to locate services and load balancing

Serverless E-commerce Website using AWS

- Proposed a robust **ReactJS e-commerce platform**, incorporating Stripe for secure payment processing and comprehensive management of payment invoices using **AWS Lambda**, **Simple Email Service, DynamoDB, and S3**
- Engineered a serverless architecture using AWS services including **API Gateway**, Simple Queue Service, and **CloudWatch**, optimizing scalability and resource utilization for ECS and EKS tasks

Education

- Master's Degree in **Computer Science** - University of North Carolina Charlotte, USA　　　　　**Aug 2022 – May 2024**
- Bachelor's Degree in **Information Technology** - Savitribai Phule Pune University, India　　　　**Aug 2016 – May 2020**