Saurabh Trivedi

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Summary

Highly experienced and detailed-oriented developer with a strong record of excellent teamwork and developing a web application with scalability and maintainability in mind for high traffic situation. I believe that design thinking and intuitive approach to problem-solving is the key to organizational efficiency.

Education

Master of Science - Computer Science, San Diego State University, California, USA   Dec-2019
Bachelor of Engineering - Information Technology, Gujarat Technological University, Gujarat, India   May-2017

Technical Skills

Coding:	Java (Spring Boot, JSP, Servlet), JavaScript (Node, Express), C#, Python, Android, iOS, Swift
Database:	MySQL, MongoDB, Hibernate, JPA, Firebase
UI/UX:	JavaScript, TypeScript, Angular, jQuery, Bootstrap, AJAX, HTML5, CSS3
Tools:	Kafka, Redis, Caffeine, Maven, Gradle, JVM Profiler, Elastic stack, Liquibase, Swagger, Jira
Testing:	Junit, TestNG, Mockito, Hoverfly, JMeter, Gatling, Selenium
CI/CD:	Google Cloud Platform, Microsoft Azure, Git, Jenkins, Docker, Kubernetes, Consul

Experience

Software Developer | SAP SuccessFactors, California, USA.

- Developing large and complex RESTful applications using Java, Spring Boot, MySQL, Maven, TestNG, Mockito.
- Developed a garbage collection microservice, a configurable scheduler that runs as a batch job with active database blocking and high fault tolerance.
- Developing & executing performance tests to ensure the system's high speed, scalability, and stability using JMeter.
- Maintaining SLA (Service-level agreement) by finding bottlenecks & optimizing code utilizing JVM Profiler.
- Integrated continuous performance job as part of the CI pipeline using Blazemeter, Taurus DSL, Gatling & Jenkins.
- Highly focused on writing clean, high quality, Robust code which is built for a distributed cloud application.
- Building platform (foundation to micro-services) and creating common functionality that can be utilized by all teams.
- Ensuring optimal results of the system by optimizing database queries to execute under SAP standard requirements.
- Containerizing deployment-ready applications using Docker, JFrog Artifactory to make it deploy anytime, anywhere.
- Set up Kubernetes and AKS on Microsoft Azure to automate deployment and maintain application efficiently.
- Following agile methodologies to adopt customer requirements quickly and deliver the solution on time.
- Writing an isolated unit and integration test using mocking for efficient database query and API operation.

Associate Software Engineer | Blume Global, California, USA.   Jun 2019 to Jan 2020

- Designed, developed and documented RESTful microservices for the Smart Contract & Carrier Go using Spring Boot.
- Developed a common reusable audit library using Spring boot, it's JAR can be integrated using adding dependencies to any micro-service. That used across multiple teams at Blume resulting in Jira task resolution time by over 25%.
- Made application simplified, maintainable and scalable by implementing rule engine using Drool.
- Created entity, relationship mapping and specification using Hibernate/JPA to optimize database quires.
- Worked with the cross-functional team like Product & UI/UX to gather requirements for Shipment Services.
- Developed and maintain automated CI/CD pipelines for code deployment using Jenkins.
- Built and deployed Docker containers, using Git and Kubernetes on Google Cloud Platform.
- Improved existing API to have idempotency by developing efficient algorithms, pagination and improved latency.
- Created common utility methods, clients, services, listeners, responses and exception handling mechanism.
- Front-end development of Rate Shopping in Smart Contract using Angular, SCSS.

Web Development Intern | Qualcomm Incorporated, California, USA.   Jun 2018 to May 2019

- Full stack web developer responsible for the end-to-end development of Qualcomm Onboard Portal.
- Creating Onboard Portal user-friendly and responsive using Ajax, jQuery plugins, Foundation and Bootstrap.
- Create database schema to achieve functionality and efficiency of infrastructure also handle database operations.
- Data manipulation with encoding and decoding also securing using hashing algorithms, encryption and decryption.
- Train and provide documentation on various features and technology to maximize operational efficiency.
- Test and deploy websites with version controlling using Git on Qualcomm GitHub

Workshop & Certification

Server-side Development with NodeJS, Express and MongoDB | The Hong Kong University
Design Patterns | University of Alberta