RAVI MULANI

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OBJECTIVE

Passionate about delivering top-tier software solutions, excel in software engineering and QA methodologies. With strong problem-solving abilities, swiftly troubleshoot complex tech issues. I aim to boost large-scale, mission-criticalplatforms, contributing to QE deliverables and automation test tool development. Committed to continuous learning, acquire new skills through online courses, hands-on experience, and self-study in leading-edge technologies. Thrive in collaborative environments, contributing to team success and maintaining a high-quality deliverable.

EDUCATION

Computer Software and Database Development   January 2022 - August 2023
Lambton College, Mississauga, ON

Bachelor of Engineering - Information and Technology   August 2017 - May 2021
Gujarat Technological University

SKILLS

Programming Languages:	Java, Python, JavaScript, C, C++, C#
Database:	SQL, MongoDB, PostgreSQL, MySQL
Frameworks & Libraries:	Selenium, Cucumber, Cypress, TestNG, Rest Assured, Django, Spring Boot
Tools & Technologies:	Jenkins, Appium, CI/CD, Docker, BDD, Postman, Maven, Git, Mainframe
Web Technologies:	HTML, CSS, ReactJs, NodeJS, ExpressJS, Bootstarp, Tailwind
Cloud & OS:	Windows, macOS, Linux, AWS, GCP
Project Management Tools:	Jira, JTMF, GitHub, Confluence, Office365, Slack, Agile, Bit Bucket

EXPERIENCE

Quality Engineering Intern   May 2023 - Aug 2023
TD Bank   *Toronto, CA*

- Cooperated in development of a comprehensive quality assurance framework for financial applications, applying automation tools such as Selenium, Rest Assured, and Cucumber. This approach revised test coverage by 40% and cut down testing time by 30%.
- Automated test cases and integrated into Jenkins for continuous integration, ensuring timely detection of issues and simplifying release cycle by 20%. Leveraged Apache Maven for efficient project build.
- Use AWS for CI/CD pipeline management and adept in implementing effective quality testing with SonarQube
- Executed extensive end-to-end testing and API testing with Postman to verify functionality and security of critical banking systems. This contributed to a 15% reduction in defects and increased data protection.
- Thrived in an agile development environment, participating in sprint planning, daily stand-ups, and retrospectives. Applied JIRA for issue tracking, enabling efficient communication and project progress tracking.

Automation Developer   September 2020 - July 2022
Way To Code Technologies   *Ahmedabad, India*

- Results-driven Automation Developer with a proven track record in building and implementing robust test.
- Proficient in Behavior-Driven Development (BDD), test framework development, and test script creation.
- Experienced in cooperating with cross-functional teams to streamline testing processes and revamp quality.
- Influenced valuable insights during brainstorming sessions, development efforts with key business objectives.

Software Developer Intern | January 2020 - August 2020
Way To Code Technologies | *Ahmedabad, India*

- Built and developed a mobile-first, responsive web application using Java, JavaScript, React, and Firebase that allowed users to track fitness goals and progress. Applied load testing and monitoring tools to identify and resolve performance bottlenecks.
- Streamlined back-end systems by creating a RESTful API that decreased server response time by 60%, resulting in faster page load times for users also ensuring smooth data transfer and user interactions.
- Improved database performance by optimizing queries and indexing, reducing query execution time by 50% and increasing overall website speed.
- Utilized agile development methodologies and version control tools like Git to manage code changes and collaborate effectively with cross-functional teams.

PROJECTS

AWS To-do App.

- Conceptualized, developed, and organized an AWS-hosted "To-Do" application using Node.js for server-side development.
- Established robust CI/CD pipelines with Jenkins, enabling automated building, testing, and deployment. Integrated GitHub web-hooks to trigger builds upon code commits and pull requests.
- Dockerized application for efficient deployment, scaling, and environment consistency.

SQL Cloud Application

- Architected a scalable cloud-based SQL application using AWS, Flask, resulting in improved data accessibility and reduced latency.
- Created RESTful API endpoints with Flask and implemented CRUD operations, resulting in a more efficient workflow.
- Optimized database schema and SQL queries to ensure data integrity and high performance, achieving up to 50% faster execution.

Crypto Currency Dashboard

- Designed and deployed a dashboard using MongoDB, Express JS, React JS, and Node JS to visualize real-time and historical cryptocurrency data, trends, and market status of top 100 cryptocurrencies.
- Enhanced dashboard's usability and intuitive navigation, analyzing Material UI and React libraries; Hosted project on the AWS platform, leveraging services such as S3, Lambda, cloud-front, and Route 53.
- Gained practical knowledge of cloud technologies through a project, enhancing proficiency in deploying and managing cloud infrastructures according to industry best practices.

CERTIFICATIONS

Student of the Term	Lambton College
AWS Academy Cloud Foundation	AWS Academy
Python for Data Science, AI & Development	IBM
Selenium Essential Training	LinkedIn Learning
Database Foundation: Database Management	LinkedIn Learning
Software Testing Foundations: Transitioning from Manual to Automation	LinkedIn Learning