KEVIN WON

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SOFTWARE ENGINEER

Seasoned Software Engineer with over a decade of experience as a Quality Assurance Engineer. Expertise in test automation, CI/CD pipeline optimization, and leading cross-functional teams to enhance code quality and test strategies.

SKILLS

Frontend: JavaScript, TypeScript, React, Redux, HTML, CSS, Mocha, Chai
Backend: Python, Java, Node.js, Express, SQL, PostgreSQL, MongoDB, SQLite, SQLAlchemy, Sequelize, Flask, AWS (S3), Docker

WORK EXPERIENCE

Indeed, San Francisco, CA   August 2017 - March 2023
Quality Assurance Automation Engineer, January 2021 - March 2023
- Collaborated with teams to define requirements for test automation, resulting in 80% test code coverage for job recommendation services.
- Refactored Pytest framework to JUnit 5 and TestNG, leading to a 20% reduction in test cases.
- Managed bi-weekly release cycles, monitored test automation efficiency, and resolved deployment issues.
- Transitioned release pipelines to GitLab CI/CD, optimizing build times by 30%, and integrated SonarQube to uphold code quality standards.

Quality Assurance Engineer, August 2017 - December 2020
- Performed root-cause analysis for Python test automation failures, raising the test suite pass rate to 90%.
- Enhanced team efficiency by automating release pipelines, which contributed to a 30% improvement in throughput velocity via continuous integration and delivery practices.
- Oversaw multiple deployments, leading quality assurance processes and regression testing, while integrating new team members into a proactive testing approach.

Zillow, San Francisco, CA   July 2016 - July 2017
Quality Assurance Engineer
- Automated functional UI tests using Java and Selenium, leading to a 15% decrease in post-release defects.
- Conducted RESTful API testing for more than 10 endpoints, ensuring the integrity of critical system functions.
- Responded to customer support tickets and expedited resolutions by deploying hotfixes within 24 hours.

PROJECT EXPERIENCE

Yummyeats: A Restaurant App for Food Discovery and Reviews (REST APIs, Flask, AWS S3, Google Maps API)
- Developed RESTful APIs with Flask blueprints, optimizing code organization, reusability, and maintainability.
- Engineered AWS S3 configuration to enhance file uploads, ensuring robust storage and retrieval of images.
- Integrated Google Maps Embed API for dynamic and interactive restaurant location visualization.

Bobabuzz: A Boba Milk Tea App to Discover, Manage, and Share (REST APIs, Flask, Redux, SQLAlchemy)
- Architected Flask-based RESTful APIs, orchestrating routing, request processing, and database interactions.
- Orchestrated Redux for global state management, ensuring consistent data accessibility and processing efficiency.
- Employed SQLAlchemy for data access layer, crafting ORM models to define database schema and relationships.

Chillbnb: A Rental App to Host Vacation Spots (React, Sequelize, Express, PostgreSQL)
- Designed responsive user interfaces using React, incorporating advanced components, hooks, and lifecycle methods.
- Engineered Sequelize for database operations, leveraging query API for optimized data retrieval and manipulation.
- Customized Express-validator middleware to fortify data input security and enhance data integrity.
- Spearheaded deployment of PostgreSQL database in production, ensuring peak performance and data consistency.

EDUCATION

App Academy, Remote, Full Stack Web Development Program   October 2023
San Francisco State University, San Francisco, CA, Bachelor of Science, Microbiology