

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

2017 - 2023

Quality Assurance Automation Engineer, 2021 - 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, 2017 - 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

2016 - 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

2023

San Francisco State University, San Francisco, CA, Bachelor of Science, Microbiology