

# KEVIN WON

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## SOFTWARE ENGINEER

Experienced Software Quality Assurance Engineer with strong development skills. 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

**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.
- Resolved deployment issues promptly, cutting system downtime by 95% and minimizing service disruptions.
- Streamlined release pipelines with GitLab CI/CD, reducing build times by 30% and ensuring code quality through SonarQube integration.

**Quality Assurance Engineer,** August 2017 - December 2020

- Performed root-cause analysis for Python test automation failures, raising the test suite pass rate to 90%.
- Boosted team efficiency by automating release pipelines, achieving a 40% increase in throughput velocity through continuous integration and delivery practices.
- Onboarded 5 new team members into a proactive testing approach, resulting in a 50% improvement in team efficiency.

**Zillow,** San Francisco, CA

**Quality Assurance Engineer,** July 2016 - July 2017

- 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