KEVIN WON

kevinwon30@gmail.com | 415-370-9709 | LinkedIn | Github | Portfolio | San Francisco Bay Area, CA

SOFTWARE ENGINEER

Programming Languages: Python, JavaScript, Java, HTML, CSS, SQL
Web Development Frameworks: React, Redux, Node.js, Express.js, Flask
Database Systems and ORMS: PostgreSQL, MongoDB, SQLite, SQLAlchemy, Sequelize
Testing Frameworks: Pytest, JUnit 5, TestNG, Selenium, Cypress, Mocha, Chai, Jest, Postman
Cloud Services and DevOps: Docker, Amazon Web Services (AWS S3 buckets), Git, GitHub, GitLab, Jenkins, CI/CD
Agile Methodologies: Agile, Scrum, Kanban

WORK EXPERIENCE

INDEED \ Quality Assurance Automation Engineer \ San Francisco, CA   January 2021 – March 2023
- Spearheaded test automation initiatives for 4 job recommendation services by collaborating with cross-functional teams to define requirements and strategies, achieving 80% test code coverage.
- Refactored Pytest framework with JUnit 5 and TestNG testing framework within application code, reducing tests by 20%.
- Led release management on 2-week sprints, tracking test automation failures, and debugging deployment issues.
- Migrated release pipelines from Jenkins to GitLab CI/CD, improving and reducing build times by 30%.
- Integrated SonarQube into the development process to evaluate code coverage, proactively managing technical debt and enhancing code quality to achieve a minimum of 80% code coverage.
- Oversaw code reviews for 8 engineers, providing feedback and ensuring robust unit and integration test coverage.

INDEED \ Quality Assurance Engineer \ San Francisco, CA   August 2017 – December 2020
- Debugged Python test automation failures by performing root-cause analysis, achieving a 90% test suite pass rate.
- Automated 4 release pipelines towards push-on-green, enabling CI/CD and increasing team throughput velocity by 30%.
- Managed 4 deployments, guiding the QA team through verification processes and regression testing.
- Onboarded 4 QA engineers, 1 automation engineer, and 1 QA manager, fostering a shift-left testing mentality.
- Participated in weekly Python pair-programming mentoring sessions with automation engineers and QA engineers.

PROJECT EXPERIENCE

YUMMYEATS \ REST APIs | Flask | AWS S3 | Google Maps API | Git | Pair Programming | Leadership   GitHub | Live Site
- Developed RESTful APIs with Flask blueprints, enhancing code organization, reusability, and maintainability.
- Configured AWS S3 to enhance file uploads, ensuring reliable storage and retrieval of images instead of image URLs.
- Pair-programmed and customized Google Maps Embed API for interactive restaurant location viewing.
- Demonstrated leadership role in a 4-member team, minimizing Git branch merge conflicts and quick resolutions.

BOBABUZZ \ REST APIs | Flask | Redux.js | SQLAlchemy | Wireframes   GitHub | Live Site
- Designed Flask-based RESTful APIs through routing, request processing, database interactions, and user authentication.
- Implemented Redux for global state management, ensuring consistent and accessible data for retrieval and processing.
- Adopted SQLAlchemy for data access layer, including ORM models to define database schema, tables, and relationships.
- Created wireframes for visual validation, expediting issue identification and resolution in early development stages.

CHILLBNB \ React.js | Sequelize | Express.js | PostgreSQL   GitHub | Live Site
- Leveraged React to design responsive user interfaces and implemented components, hooks, and lifecycle methods.
- Utilized Sequelize for database operations, applying query API for optimized data retrieval and manipulation.
- Customized Express-validator middleware for data input security and ensuring data integrity.
- Deployed PostgreSQL database in production, emphasizing strong performance and data consistency.

EDUCATION

APP ACADEMY \ Full Stack Web Development \ Python | JavaScript | React | Redux | Flask | SQLAlchemy   **October 2023**
SAN FRANCISCO STATE UNIVERSITY \ Bachelor of Science, Microbiology \ San Francisco, CA   **May 2011**