

# Jane Wheatley

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Versatile and growth-driven Software Engineer with over 6 years of experience in open-source development, following a 7-year career as a teacher. Built foundational knowledge as an SDET then promoted into Backend development roles, gaining hands-on experience with Python, Ruby, JavaScript, and frameworks like Vue.js and FastAPI. Committed to building high-quality software with a focus on performance, maintainability, and user experience. Industry experience spans reverse logistics, healthcare technology, and client-facing portals.

## SKILLS

- Languages: Python, Ruby, JavaScript
- Frameworks & Libraries: Rails, Django, FastAPI, Vue.js, CSS
- Databases & Cloud: GCP, AWS, Kubernetes, Terraform, Docker, Helm
- Practices & Tools: Agile/Scrum, CI/CD, Jira, Github, Gitlab
- Monitoring: GCP Logs Explorer, GCP Metrics
- API Tools: Postman, Insomnia, Mockoon
- Quality Assurance: Regression, Performance, End-to-End, and Backend testing
- Other: Confluence, Mentoring, Teaching

## EXPERIENCE

### Optoro - Reverse Logistics Company | Remote | 2021-2025

#### Software Engineer | 2024-2025 (1 year)

- Delivered full-stack features using Vue.js, FastAPI, and Django, improving performance and usability across mission-critical web applications.
- Contributed to the development and maintenance of cloud-native backend services deployed on containerized infrastructure to ensure high availability and scalability.
- Utilized Google Cloud Platform (GCP) Logs Explorer and Metrics to monitor application health and diagnose production issues, contributing to increased system availability and operational readiness.
- Contributed significantly to the migration to EasyPost, supporting the transition of shipping providers within a system processing 55K+ return shipments per day. Reduced shipping label generation costs by \$300K (50%), with zero escaped defects during this critical system migration.
- Implemented frontend features and improvements to Optoro's returns portal, directly enhancing client-facing interfaces in high-throughput environments.
- Utilized Docker-based development environments to ensure standardized, reliable builds and interoperability across distributed systems.
- Managed incoming technical support tickets, debugged production issues, and provided engineering-level support to internal teams.
- Integrated real-time alerting systems using Slack, GCP Monitoring, and log-based metrics to proactively detect system anomalies, aligned with DevSecOps best practices.

- Authored and maintained technical documentation for system processes, development standards, and onboarding procedures to ensure continuity of operations and team alignment.

### **Software Developer in Test | 2021-2024 (3 years)**

- Led automated testing initiatives across backend services using Cypress and Postman, increasing test coverage to 86% and enhancing deployment reliability in production environments.
- Developed and maintained GitLab CI/CD pipelines, achieving 95% automated test execution prior to deployment, reducing integration errors and enabling continuous delivery to production environments.
- Created internal documentation and a video tutorial series to help QA and engineering teams implement and ramp up with Cypress, accelerating adoption and improving test coverage consistency across projects.
- Mentored quality engineers to build technical skills, improving team self-sufficiency and increasing contributions to automated test coverage.
- Collaborated with software engineers to conduct backend and integration testing across Python and Ruby-based systems, ensuring functional integrity and system interoperability.
- Developed and maintained test cases for performance, regression, and end-to-end scenarios to validate system behavior under operational conditions.
- Actively engaged in defect identification and resolution early in the development lifecycle, reducing rework and accelerating delivery timelines in alignment with Agile and DevSecOps methodologies.

### **Bluesight - Healthcare Technology Company | Remote | 2019-2021**

#### **Software Developer in Test | 2019-2021 (2 years)**

- Spearheaded the shift from manual QA to automated testing, increasing test coverage from 45% to 85%, leading the development of scalable QA frameworks and establishing best practices for continuous improvement.
- Designed and deployed end-to-end test automation using Cypress, replacing legacy Protractor tests to enhance execution speed, maintainability, and system reliability.
- Worked within a microservices-based architecture using Ruby on Rails and Angular, contributing to backend testing strategies.
- Collaborated with product managers and engineering teams to define testable requirements and acceptance criteria, ensuring alignment with system specifications and mission objectives.
- Authored comprehensive QA documentation and supported onboarding of new engineers, strengthening team readiness and standardizing quality assurance practices.

### **Fairfax County Public Schools - Alexandria, VA | 2011-2018**

#### **English as a Second Language Teacher**

- Taught students in grades K-5, developing strong skills in communication, curriculum development, and mentoring.

## **EDUCATION**

Master of Education | Marymount University | Arlington, VA

Bachelor of Arts | University of Maryland | College Park, MD