Ian Johnson

Senior Software Engineer

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EXPERIENCE

CERBO | FULL STACK WEB DEVELOPER
September 2023 – Present | Portland, OR

➔ Pioneered the transition of development work to Jira, enhancing visibility and workflow. Facilitated an interactive workshop as a training exercise and documented initial policies. Supported an agile strategy by establishing and encouraging improvement through iteration. Resulted in improved velocity and reduced licensing costs.

➔ Designed and implemented automated end-to-end browser tests. Utilized Gherkin and Selenium to describe behavior-driven acceptance-level tests. Defined testing pipelines using GitHub Actions. Encouraged wider contribution with high-quality documentation and pair programming sessions.

➔ Collaborated with a small group to migrate application servers into AWS. Established a robust continuous integration pipeline. Helped create an easy-to-use local setup for the flagship application using Docker. Provided supporting education to developers.

➔ Spearheaded an internal tool that streamlines building infrastructure and performing operational tasks. Employed Boto and Typer to interact with AWS resources, such as DNS records, virtual machines, and file storage. Gained more predictable changes in AWS by providing tools.

➔ Modernized developer-focused REST API documentation. Generated an OpenAPI specification and used Redocly to build a user-friendly static website. Dramatically impacted the number of support requests about the public API.

COVERMYMEDS | SOFTWARE ENGINEER
February 2019 – March 2023 | Columbus, OH

➔ Created an SDLC process and fostered the adoption of security reviews. Authored quarterly security reports. Guided developers in threat modeling. Prioritized vulnerability remediation work in conjunction with product backlog.

➔ Shaped team culture and foundational policies during team formation. Directed efforts to establish and refine team values. Supported a learning culture by promoting an managing a volunteer-based educational series. Fostered a collaborative culture by leading team retrospectives.

➔ Crafted development tooling to ease the transition to new technologies, including Docker and Kubernetes. Simplified development environment interaction.

➔ Released and maintained internal gems. Deployed product-driven feature requests in web services utilizing a risk-management approach. Collaborated with external teams for database and operational needs.

MENUDRIVE | SOFTWARE DEVELOPER
January 2015 – February 2019 | Shippensburg, PA

➔ Migrated a legacy repository to git and provided support and guidance during the transition. Introduced GitLab to make code changes policy-driven.

➔ Advocated for agile methodologies. Laid the groundwork for transitioning to an agile development process. Implemented policies on GitLab to provide support.

➔ Modernized an action-based procedural application by converting it to use object-oriented programming and retrofitting it into a modern web framework.

➔ Improved company credentials by achieving PCI-DSS compliance. Guided and implemented technical solutions to satisfy compliance requirements.

SKILLS

- Agile Methodologies
- AlpineJS
- Application Security
- AWS
- Bootstrap
- CLI Tools
- Claude AI
- Cloud Computing
- CSS
- Django
- FastAPI
- Flask
- JavaScript
- jQuery
- Leadership
- Machine Learning
- Microservices
- Monoliths
- Object Oriented Programming
- OpenAI
- OpenRouter
- Open Source Software
- Python
- React
- Regular Expressions
- REST APIs
- Rails
- Reflex
- Ruby
- Sass
- Shell Scripting
- Software Design
- SQL
- Strategic Thinking
- System Architecture
- TailwindCSS
- Test-Driven Development
- Web Programming

EDUCATION

SHIPPENSBURG UNIVERSITY
B.S. IN MATH & COMPUTER SCIENCE
2014 | Shippensburg, PA