Sarah Daines

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Experience

Senior Dev Ops Engineer, *Sphinx Defense* Jun 2023 – present

- Led and managed the release and deployment process to Sprint, Staging, and Production environments, ensuring a smooth and bug free deploy
- Upgraded all repositories from Python Semantic Release v7 to v8, accommodating several breaking changes and enhancing version control.
- Upgraded and tested versions of third-party services used in the operations production Kubernetes cluster, improving security.
- Reduced resource churn in AWS by defining default values for ECS task definitions in Terraform, optimizing service deployment processes.
- Developed a CloudWatch alarms module in Terraform, enhancing system monitoring and alerting capabilities.
- Centralized version control by migrating all Fluentbit-using repos to use an internal repo that references AWS fluentbit, improving consistency across repositories.
- Modified and maintained Jenkins pipeline code, ensuring smooth and efficient CI/CD processes.

Software Engineer || Co-Creator, *Test Lab (https://testl-ab.github.io)* ⧉ Nov 2022 – Jun 2023

Test Lab is an open-source, self-hosted platform for creating and managing feature toggles, rollouts, and experiments.

- Designed and developed native Node, React, Ruby, and Python SDKs for Test Lab, including assignment logic while ensuring the integrity of A/B experiments
- Developed the Test Lab backend server, which exposes RESTful API endpoints for creating and managing features, users, and experiment-related events
- Implemented the Test Lab Node backend server, React frontend UI, and PostgreSQL database for easy deployment
- Created a comprehensive Test Suite with 90% coverage using Jest and SuperTest
- Authored comprehensive documentation that includes installation instructions, admin UI documentation, API documentation, and SDK documentation
- Authored a case study that outlines Test Lab's unique use case within existing A/B testing solutions, and highlights key features and engineering design decisions
- Completed project ahead of schedule, receiving high accolades from mentors, some of whom encouraged turning Test Lab into a startup

Teaching Assistant, *Launch School* Feb 2022 – Nov 2022

- Implemented changes to Launch School Website using Git workflow
- Provided detailed code reviews for student projects
- Evaluated written and live interview assessments to determine student mastery
- Wrote newsletters distributed to the Launch School community
- Created questions used in Ruby Fundamentals Assessment

Skills

Tooling

Kubernetes, Jenkins, Terraform, Git/GitHub, Docker, Linux, Bash, Jest/SuperTest, Webhooks

Back-End:

Node.js, Ruby, Python, Go, Java, C++, PostgreSQL, MongoDB, RESTful APIs, Express, Sinatra

Front-End

JavaScript, Node, Ionic, Typescript, HTML/CSS, React/Redux, jQuery