

William Asper

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Employment

Forcepoint

DevOps Engineer

May 2023 - Present

- Managed infrastructure in Terraform, keeping state clean with automation
- Deployed environments for use by developers, QA, and production traffic
- Troubleshooted issues across the stack using monitoring tools (Loki, Prometheus, etc.)
- Responded to alerts and followed up with developers to resolve issues
- Partnered with developers to meet their infrastructure needs across several AWS services

Performance Engineer (Bitglass acquired by Forcepoint Jan 2022)

Jun 2020 - May 2023

- Developed tools for performance testing Forcepoint's products as part of the SDLC
- Developed synthetic monitoring tools to identify issues with customer-facing products
- Architected a global performance monitoring platform to ingest metrics and logs
- Designed dashboards to interpret test results and monitor trends across multiple environments
- Deployed full product test environments for team member use in developing performance tests
- Conducted on-demand performance tests prompted by product management or dev
- Delivered technical reports with performance test results

University of California, Santa Cruz

Course Grader/Tutor: Introduction to Programming in Python

Apr 2019 - Dec 2019

Learning Technologies Consultant, ITS

Sep 2016 - Jun 2019

Education

University of California, Santa Cruz

Sep 2015 - Mar 2020

Computer Engineering (Robotics and Control) B.S.

Achievements:

Published Research:

- A Bio-Inspired Tensegrity Manipulator with Multi-DOF, Structurally Compliant Joints, IROS
- 3D Printing an Assembled Biomimetic Robot Finger, Ubiquitous Robots

Skills

Languages:

Python, C, PromQL

Software and tools:

Jenkins, Terraform, Docker, Chef, Loki, Grafana, Prometheus

AWS:

IAM, EC2, S3, Route 53, API Gateway, EKS, SageMaker