

Donovan Ellison

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SKILLS

Programming: Go, Python, and Java

Technologies: Ansible, AWS, Helm, Kubernetes, TeamCity, and Terraform

EXPERIENCE

Site Reliability Engineer, *Zaproved*

Mar 2021 — Present

- Enabled AWS Systems Manager for several dozen EC2 instances, allowing for secure remote command execution, automated patching, and fine-grained access control to instances.
- Designed and implemented an AWS solution for managing SSH keys on TeamCity agents across multiple AWS accounts.
- Analyzed and resolved an Elasticsearch cluster issue that caused day long logging outages, sometimes multiple times a week.
- Spearheaded the refactoring of the Kubernetes solution. Documented the current state of the Kubernetes solution by updating, creating, and re-organizing several dozen internal documents. Developed a roadmap for Kubernetes improvements by evaluating different tools, researching best practices, creating proof of concepts, and meeting with key stakeholders.

Software Engineer Intern, *Akamai Technologies*

Jan 2019 — Jun 2019

- Configured and deployed EC2 instances with Terraform.
- Wrote to, read from, and monitored Kinesis streams used to process user data.

DevOps Intern, *Comscore, Inc.*

Jul 2018 — Dec 2018

- Refined a testing framework for the QA team in C#.
 - Performed deploys once a week with Jenkins to production environments.
 - Maintained Ruby scripts that automated the deployment and testing of code.
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PROJECTS

Functional Programming for Systems Software

Apr 2020 — Aug 2020

- Published an assessment of Habit, an experimental functional language for low-level programming.
 - Compared Habit with C by implementing a page table in both languages.
 - Used x86 Assembly to enable IA-32 paging and setup system calls.
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EDUCATION

Bachelor of Science in Computer Science, University Honors

Sep 2016 — Aug 2020

Portland State University

GPA: 3.73