

JACK BUCINSKAS

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Melbourne, Australia

EDUCATION

University of Wollongong, Australia

Bachelor's Degree: Computer Science

Wollongong, Australia

2018 - 2020

University of Wollongong, Australia

Diploma: Information Technology

Wollongong, Australia

2017 - 2018

SKILLS

- **Programming Languages:** Python, Bash, Go
- **Technologies:** AWS, Terraform, Docker, Kubernetes, BitBucket & Bamboo, Splunk
- **Platforms:** Linux (CentOS, Debian, Alpine), macOS

PROFESSIONAL EXPERIENCE

Cloud Engineer

Vanguard Investments

Melbourne, Australia

April 2022 - Present

- **AWS EMR and Glue Infrastructure:** Glue 4.0 adoption and enablement.
Lead enablement of resolving Python dependency management in EMR with the use of Docker.
Quickly applied AWS patches for EMR with Ansible bootstrap actions and added clear unit tests.
Strong ability to find defects and remediate tech debt.
- **CI/CD Deployments:** Optimising Build and Deployment templates for end users (data scientists). I lead the initiative to reduce build times for EMR, the result of this decreased build times by 50%.
- **Testing:** Increasing test cases for infrastructure deployments to reduce impact on end users. Leading to more frequent feature requests being delivered.
- **Observability:** Modification of application level code to increase logging verbosity. Created highly optimised Splunk queries for pro-active alerting and metrics.

Site Reliability Engineer & DevOps

Spotpass

Melbourne, Australia

June 2021 - March 2022

- **Monitoring:** Implementation of both Application (Go & Kafka) and System monitoring into an existing product stack using Elasticsearch and webhooks to OpsGenie and Slack.
- **Infrastructure:** Complete E2E setup of infrastructure, utilising Terraform & Ansible. Zero-trust security enablement with encryption in transit & rest.
Creation of a HashiCorp cluster utilising Nomad, Consul and Vault for scaling jobs, service discovery and secret token management.
- **Testing:** Built an in-house Canary CI/CD (blue-green) deployment pipeline with Nomad.

System Administrator

Catholic Education Office - Diocese of Wollongong

Wollongong, Australia

November 2019 - May 2021

- **Identity Access Management:** Contributed to the adoption of Okta Identity as the default identity and access management solution for Students and Staff across the Diocese.
- **Device Management:** Implemented a seamless mobile device manager for laptop provisioning and updates.
- **Project Management:** Planned outages and projects discussed with Senior Management Team in a timely and achievable manner.

PROJECTS

Technology

- **IoT:** Investigating IoTs, and the many security vulnerabilities involved with mass produced vendor hardware appliances such as; PoE cameras & smart door locks.
In 2019 I invested into some smart power adapters (analysis of energy usage) & thermostats (analysis for energy savings) which are being logged to Grafana locally.
- **Cloud Services:** I found an elegant solution to host my personal site <https://bucinskas.net/> by utilising CloudFlare and their CDN with GitHub Actions automating the deployment process. The website is built & compiled with Hugo and written in basic HTML.

Mechanical

- **Motorcycles:** I am a proud owner of a 1991 Honda MC22, little 250cc inline-4 screamer. I love working on this bike, there is something so satisfying about fixing mechanical problems; such as cleaning & balancing carburettors and hearing the success of your work.

ADDITIONAL EXPERIENCE & MEMBERSHIPS

- **AWS Cloud Practitioner:** April 2022 - May 2022
- **Apache Kafka 2.0 Ecosystem & Core Concepts - Udemy:** December 2021
- **Member of German Shepherd Club of Victoria, Malvern:** October 2021 - Present