Jordan Siaw

jordansiaw.cy@gmail.com
linkedin.com/in/jordansiaw
github.com/onethirdzero
jordansiaw.com

TECHNICAL SKILLS

Languages: Go, Python, Javascript
Tools/Services: Git, Docker, Kubernetes, Jenkins

EXPERIENCE

Demonware, Vancouver, Software Development Intern *(Jan 2019 – Aug 2019)*
- Built a Go microservice that tracked daily Kubernetes tenant CPU allocation via Prometheus and provided monthly summaries through a Slack bot so that usage could be quantified by dollar value and analyzed
- Collaborated with a teammate to create readiness and liveness probes that increased observability of Kubernetes Node lifecycles in on-prem clusters and laid the foundation for handling dead Nodes automatically
- Wrote a custom Kubernetes controller that reaped dead Nodes across clusters, thus removing the need for manual intervention during hypervisor failures and saving up to 30 minutes of dev time per week
- Developed a Kubernetes Operator that manages server inventory in Device42, which enabled other Operators to ingest servers as bare metal Nodes, providing up to 40% performance improvements from existing VM workloads

Hootsuite, Vancouver, Operations Developer Co-op *(Sep 2017 – Mar 2018)*
- Worked with a team of four developers to migrate legacy microservices from Mesos/Marathon clusters to Kubernetes clusters, which saved ~$15,000 a year in operating costs
- Cooperated with a team of three to move developers working on the Hootsuite Dashboard from Vagrant to Minikube, which saved over 15 hours of dev time per week
- Collaborated with a group of eight developers to adapt Vizceral as a service traffic dashboard proof of concept for an internal hackathon
- Implemented a proof of concept for Goldfish for greater dev UX when working with Hashicorp Vault

Safe Software, Surrey, DevOps Developer Co-op *(Sep 2016 – Aug 2017)*
- Developed an alert tracking tool using Angular 2, mySQL and Flask that streamlined error tracking and assignment during daily operations, saving up to 5 hours of dev time per week
- Wrote AWS Lambda functions that collected and published metrics about FME build and testsuite runs, which provided forecasts for daily triage and planning, as well as functions that purged stale EBS volumes and snapshots, and EC2 AMIs, which helped reduce quarterly operating costs
- Authored a Swagger API that supplied data to multiple internal tools, including the alert tracker and metric reports, and served as a foundation for future API designs
- Built the initial implementation of a prototype Angular and Electron app and its Flask backend that eventually replaced a legacy testsuite results browser, saving hours of technical debt and maintenance

PROJECTS

SafeRide, VANquish Collisions Hackathon 2018 *(Sep 2018)*
- Collaborated with three teammates to create an Android app and C# backend for a ridesharing service for seniors

SpicyGame, Advanced Programming, Waseda University *(Jul 2018)*
- Worked with three classmates to develop a command line game written in Python

blockvr, nwHacks 2018 *(Jan 2018)*
- Collaborated with two teammates to develop a mobile web app using AR.js that shows users a VR representation of the Bitcoin blockchain

EDUCATION

Simon Fraser University, Burnaby *(Sep 2014 – Present)*
Bachelor of Science (BSc) – Computing Science, CGPA: 3.57, expected graduation: Dec 2019

Waseda University, Tokyo *(Apr – Aug 2018)*
Exchange Term, School of International Liberal Studies

Fraser International College, Burnaby *(Sep 2013 – Aug 2014)*
Business Administration (University Transition Program Stage II)