

Vincent Chua

DevOps Developer

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🔗 github.com/vinchua

Skills

Languages Python, YAML, Bash, C++, Java
DevOps Ansible, Kubernetes, Docker, Jenkins, OpenShift, HashiCorp Vault
Other Atlassian Suite, Linux (RHEL/Ubuntu), Git

Work Experience

DevOps Developer

IBM Canada

June 2021 – Present

- Maintained and developed Ansible playbooks for Red Hat Openshift Kubernetes (ROKS) infrastructure provisioning
- Developed automation for migration of Ansible job templates and workflow templates across Ansible Tower servers
- Developed security hardening automation for Linux system security remediation and follow security compliance spec, achieving 90%+ compliance

DevOps Engineer, Co-op

FLIR Systems (now Teledyne FLIR)

May 2019 – Dec 2019

- Maintained Jenkins build pipelines using Jenkins Job Builder, YAML, Python, and shell scripts
- Improved CI build stability and reduced build failures by 50% by deploying custom Docker build environment images
- Migrated over 100 Jenkins jobs to new build server and scheduled cutover with various teams to ensure no downtime
- Consulted with multiple project teams including software, firmware, and IT teams for Agile DevOps projects

Firmware Engineer, Co-op

Arlo Technologies

Sep 2018 – Apr 2019

- Developed Proof of Concept Android application to interface with IoT devices via Bluetooth Low Energy and MQTT
- Debugged microcontroller issues on engineering sample boards using UART and I2C
- Implemented Git workflows and firmware build process for multiple IoT devices

Client Support Technician

BC Cancer Research Center

Jan 2018 – Aug 2018

- Provided IT and system administration support for Windows, Linux, and Mac users
- Resolved network issues, compiled software binaries from source, handled file/folder permissions access and user creation in LDAP/Active Directory
- Managed virtual machines using VirtualBox and VMWare vSphere

Projects

CPEN 442 Coin Miner *Python, CUDA*

Dec 2020

- Modified existing kernel that calculates SHA256 hashes to calculate hashes of a specific format for a university course coin mining contest
- Wrote python script to run the miner and submit valid coins to a provided API endpoint, competing against classmates
- Deployed long running python script in a Google Cloud VM with Nvidia Tesla GPU

Education

University of British Columbia

Bachelor of Applied Science in Computer Engineering

May 2021