

# Shuaib Munshi

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## EDUCATION

### CARLETON UNIVERSITY

Ottawa, Ontario

BACHELOR OF INFORMATION TECHNOLOGY

NETWORK TECHNOLOGY

2016 - 2020

### ALGONQUIN COLLEGE

Ottawa, Ontario

ADVANCED DIPLOMA

COMPUTER ENGINEERING TECHNOLOGY

NETWORKING

2016 - 2020

## LINKS

Github:// [shuaibmunshi](#)

LinkedIn:// [shuaib-munshi](#)

## SKILLS

### SYSTEMS/CLOUD

Linux (Ubuntu, CentOS, RedHat) • GCP  
DigitalOcean • LXC/LXD • Kubernetes  
Proxmox • VMware • AWS

### DEVOPS TOOLCHAIN

Terraform • Docker • GitLab CI/CD  
Ansible • GitHub Actions • Jira  
Jenkins • Prometheus • Git • Nomad

### PROGRAMMING

Python • Flask • C++ • Asterisk • Java

### NETWORKING

OSPFv2/v3 • EIGRP • BGP • STP  
MPLS (LDP/RSVP) • UFW/iptables

## EXTRACURRICULARS

2020 | CENGN Docker & Kubernetes Level 1

2019 | 2<sup>nd</sup> Place Magnet Forensics CTF

2018 | 2<sup>nd</sup> Place CyberSCI CTF

## EXPERIENCE

### 2KEYS - INTERAC | SENIOR DEVOPS SPECIALIST

February 2022 - Present | Ottawa, ON

- Developed Ansible automation for deploying a next generation simulator platform on Digital Ocean and Hashicorp Nomad

### TELUS | TECHNOLOGY SPECIALIST

June 2020 - February 2022 | Montreal, QC

- Developed LTE/HSPA service modelling code and associated unit tests for an internal RAN deployment automation project written in Python
- Developed a Flask REST API and GitLab CI pipeline for generating, parsing and storing device configuration artifacts as code in GitLab
- Automated the deployment of a new production network on Openstack using Terraform and Ansible as well as developed Ansible modules in Python for particularly complex provisioning tasks
- Deployed centralized application and container/Kubernetes pod logging using FluentD, Node Exporter, Grok Exporter and Prometheus to generate alerts for critical events and provide insight into infrastructure status
- Automated the setup for new developer laptops using Python by installing required software, setting environment variables and rendering a fully configured remote development environment using VSCode and Docker-compose with an example Flask API project and associated GitLab CI pipeline

### LEONARDO CANADA - ELECTRONICS | DEVOPS SPECIALIST Co-OP

May 2019 - August 2019 | Ottawa, ON

- Developed a multi-threaded Python-based CLI application for automating the testing of the company's software, gathering system performance data over the course of the batch tests and collating the test results and performance metrics into easily readable reports
- Aided in the development team's migration from SVN to Git by testing Git integration with Matlab/Simulink Projects, writing procedural documentation for using Git with Simulink and developing a Git merge strategy based on Gitflow which took into account the large binary files generated by Simulink
- Built a Jenkins pipeline using Groovy to automate running Matlab unit tests using a distributed Jenkins architecture and collating results from agent nodes in a single report

### CANADIAN CYBER INCIDENT RESPONSE CENTRE (CCIRC)

| CYBER SYSTEMS SPECIALIST Co-OP

May 2018 - August 2018 | Ottawa, ON

- Performed active network and host vulnerability scans using Tenable Nessus
- Automated the generation of vulnerable system action item tickets (GitLab tickets with rich text formatting) using MYSQL and Python (using the Pandas data-science Python library)
- Automated Linux server host based UFW firewall deployment using Ansible
- Wrote a Python script to generate the Ansible YAML variable files for assigning each server's UFW firewall rules

### IPFINITY INC. | TECHNICAL SUPPORT SPECIALIST

April 2013 - September 2016 | Toronto, ON

- Designed, programmed, tested and deployed custom telephone PBX systems based on customer specifications using Digium Asterisk
- Performed routine system administration tasks necessary to maintain a cloud-based Linux environment such as server hardening (Fail2Ban), software installation and updating and configuring user roles and credentials