

Jason Manshadi

jaymanshadi@gmail.com | github.com/modernNeo | linkedin.com/in/jason-manshadi
jacemanshadi.ca

Summary of Skills

- **Languages:**
 - **Imperative:** C++, Java, C, C#, Visual Basic .NET, Golang
 - **Functional:** Haskell, Scala
- **Scripting Languages:** Python, Bash, AWK, Perl, Powershell
- **Web Languages:** HTML, PHP, CSS, JavaScript
- **Development Frameworks:** Django, Spring Boot
- **Testing Tools:** Pytest, Go test, Mockito, PowerMock
- **Operating Systems:** macOS, Linux, Windows, Redhat, SuSE, Solarix, AIX
- **Databases:**
 - **SQL:** PostgreSQL, MySQL
 - **No-SQL:** Redis, MongoDB
- **Tools:** AWS, Git, Jenkins, Docker, JIRA, PyCharm, IntelliJ IDEA
- **Other:** OOP, Networking, REST API

Technical Work Experience

Software Developer Co-op

Jan 2019 - Aug 2019

Neurio Technology Inc. - Vancouver, B.C.

- Implemented an end-to-end CI/CD system using Github, Jenkins, Slack and AWS tools in order to package the product and automatically deploy it to all devices in the field via an IoT update.
- Expanded the client-side python code to allow it to download and update with the IoT update that the CI/CD system pushed out.
- Created 2 separate Java SpringBoot dockerized microservices for an app's data pipeline that read incoming data from AWS Kinesis and performed power and energy related calculations with it before storing the results into AWS Redis instances in a timeseries format.
- Investigated and resolved a crash in the Android app caused by a breaking change with how files were served to the share mechanism. Fix required utilizing the Android FileProvider library.
- Added the ability to self-assign an AWS Device ID based on the Common Name located in the SSL certificate on the device using Python.

Developer Co-op

Sept 2017 - April 2018

SAP Canada - Vancouver, B.C.

- Created a process that automated the installation of necessary programs, SDKs and repositories using Ansible which allowed the developers to spin up new virtual machines with minimal effort.
- Wrote a Python script to allow indirect use of Ansible script for easier set-up of VMs from the command line which removed dependence of Ansible knowledge and Jenkins server as well as making it easier to run batch jobs.

- Augmented existing Python script to catch and report incorrect host entries on internal database to ensure that failing hosts could be identified in event of outages affecting production systems.

Unix Systems Administrator Co-op

May 2016 - Dec 2016

SAP Canada - Vancouver, B.C.

- Responded to internal IT tickets raised and diagnosed issues regarding software and hardware issues with virtual and physical machines.
- Assisted in the migration from NIS to LDAP directory services protocol.
- Learned how to create and delete Solaris Zones from scratch and from a standard Flash Archive [flar].

SFU Computing Science Student Society (CSSS) Volunteer Work

Discord Bot

July 2018 - Present

Repository: https://github.com/CSSS/wall_e

- Wrote a Discord bot in python that performs various commands and provides functionalities that require a dockerized PostgreSQL database.
- Created a Jenkins job which utilizes docker containers, databases and docker-compose to be able to provide a CI/CD environment for the bot.

Website

Oct 2017 - Present

Website: sfucss.org | **Repository:** <https://github.com/CSSS/csss-site>

- Self-taught Django in order to design a website with utilized a dockerized PostgreSQL database.
- Wrote a bash script to poll emails from a Gmail account every 5 minutes and post them as announcements on the home page.
- Added a way to upload files to the website to remove reliance on providing users with dedicated links to other cloud-hosting solutions.
- Implemented a data pipeline for how the media is updated and displayed on the website.

Administrator

June 2017 - Present

- Ongoing administrator of multiple servers, GitHub repos, and Google Drive.
- Improved the process for setting up permissions for CSSS Officers on CSSS services
- Research and implemented a password management system to replace the old system being used.

Education

Bachelor's Degree in Computer Science

May 2015 - April 2020

SFU - Burnaby, BC

Associate of Science Degree in Computer Science

Sept 2011 - Aug 2014

Langara College - Vancouver, BC