

Sean Lim

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TECHNICAL SKILLS

Languages

- Python
- Java
- JavaScript
- HTML, CSS
- PowerShell/Unix shell
- R

Cloud & Network Infrastructure

- AWS/Azure
- Docker/Kubernetes
- Terraform
- CloudFormation
- Ansible
- CDK

Development & Data Management

- Agile Methodologies (Scrum, Kanban)
- RESTful API (FastAPI)
- Jenkins CI/CD Pipelines
- GIT
- MySQL/DynamoDB/Firebase

WORK EXPERIENCE

Software Specialist

Central 1 Credit Union

May 2023 – Nov 2023

- Led a collaboration with the DevOps team to develop and operate a Java full-stack application and using OpenText TeamSite to modify properties file.
- Implemented security measures such as SSL certs, LDAP, OAuth and 2SV settings, significantly enhancing system security and user trust.
- Diagnosed and resolved complex bugs by leveraging SQL for data analysis, Splunk for loggings.
- Utilized Jenkins CI/CD pipelines for building mobile applications and automated testing.

Cloud Infrastructure Engineer Intern

Ceridian

July 2022 – May 2023

- Maintained Terraform Infrastructure as Code (IaC) in Azure within the Cloud Hosting team, combined with Azure PowerShell scripts to provision resources inside of Virtual Machine.
- Developed Azure CI/CD pipelines and PowerShell runbooks to reduce network configuration process time.
- Authored Terraform modules update documentation for knowledge sharing and improving operational workflows.

CO-OP EXPERIENCE

YVR & Center for Internet of Things (IoT)

Sept 2021 – Jan 2022

IoT Cloud for Environmental Monitoring and Analysis (EMA) ([Link](#))

- Developed an IoT Greengrass, IoT Core, S3, Lambda, and Kinesis track water levels around YVR.
- Analyzed data from the AWS edge devices and compiled insights to optimize the accuracy of predictions.
- Designed cloud architecture diagrams to illustrate the infrastructure and ensure the outcome was achieved.

City of Vancouver

Jan 2021 – May 2021

Automation of Benchmarking Metrics Application ([Project Link](#))

- Automated the Benchmarking Metrics App to streamline the process of collecting data from Public API
- Deployed the components to create a fully automated app for effortless data extraction.

PROJECTS

Claude AI Communication Hub (ChinguTalkBot)

- Architected and deployed comprehensive backend system utilizing RESTful API and AWS Cognito for user authentication.
- Implemented containerization with Docker to automate development environments.

AI Painting with TensorFlow

- Automated the Benchmarking Metrics App to streamline the process of collecting data from Public API
- Neural style transfer implementation utilizing OpenAI, TensorFlow, Keras, OpenCV, and NumPy.
- Adept in applying color histogram matching and luminance-only transfer techniques.

Enterprise System Integration

- Developed the integration of the Jenkins CI/CD System with the Azure for streamlined software testing.
- Leveraged cutting-edge tools such as GitLab CI/CD, Jenkins Pipelines, Groovy, and JMeter for load testing.

Microservices architecture

- Executed Jenkins on amazon EKS that involves setting up persistent storage for Jenkins's data.
- Utilized RESTful API (FastAPI) and Kafka to manage high message volumes and ensure data integrity.
- Simple pipeline that is building a docker image and push to the docker hub

EDUCATION

British Columbia Institute of Technology (BCIT), Vancouver, BC

Diploma in Computer Information Technology | Jan 2020 – Jan 2022

CERTIFICATIONS

Fortinet Network Security Expert Level 1: Certified Associate (Mar 2022)

AWS Certified Cloud Practitioner (Aug 07, 2021)