

Qi Dang

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Summary of Qualifications

- **16 months of Co-op experiences** in software development and technology industry
- **Solid technical skills in Cloud and Virtualization** with AWS, GCP, and Microsoft Azure
- **Strong software and web development skills and proficient** in Python, JavaScript, Java, MySQL, PostgreSQL, MongoDB, etc.
- **In-depth knowledge of DevOps** tools such as Terraform, Ansible, Docker, Kubernetes, Jenkins, etc.

Work Experiences

Associate Software Developer Co-op

September 2021 – August 2022

HP Teradici

- Developed and maintained Terraform, Bash, PowerShell, and Python cloud deployment scripts for AWS and GCP to automate the process for customers to build the HP Anyware product environment
- Integrated cloud logging and monitoring services to improve efficiency for troubleshooting and scaling on AWS and GCP
- Maximized software robustness with comprehensive automated TeamCity pipeline scripts
- Participated in the full SDLC of internal applications from designing, implementing, to deploying using AWS, GCP, and Bitbucket

Junior Back End Developer & Systems Engineer Co-op

May 2021 – August 2021

Intellyon Inc.

- Utilized Python OpenCV technology to generate video timeline to improve user experience and accuracy of video timeline
- Developed and maintained cloud infrastructure on AWS, improved server availability and secured with customized firewall
- Implemented and maintained user notification system with Python and AWS SES
- Designed and developed admin portal with Django to manage user accounts and post contents

Projects

Inventory Management System

Service Based Architectures

September 2022 – December 2022

- Designed in event-driven microservice architecture and developed an inventory management system for inventory intake, order management, and revenue report using Python, MySQL, Kafka, SwaggerHub and OpenAPI
- Implemented a centralized maintainer component to coordinate with other microservices to maintain and report microservices' health check
- Created CI/CD pipeline using Docker and Jenkins

Scheduler

Industry Sponsored Student Projects - This project is on trial in the NICU at BC Women's Hospital

January 2021 – April 2021

- Expanded and improved a web-based application provides better schedule functions based on nurse's discipline, patient needs, and consistency of shift assignments using Python, Flask, and MySQL
- Implemented RESTful controller and service methods to improve nurse assignment accuracy
- Created filtered dropdown lists to anticipate conflicts in assignments using jQuery and HTML/CSS
- Applied Agile methodology and collaborated with other team members

Education

British Columbia Institute of Technology, Vancouver, BC

Winter 2020 - Present

- Computer Information Technology

Expected Graduation: Dec 2022