

David Huang

Software Engineer

Email : david.jh.huang@gmail.com

Mobile : (416) 899 8365

EXPERIENCE

- **DevOps Consultant** Toronto, ON
FDM Group *November 2022 - February 2024*
 - Received training and certifications for DevOps and Software Development streams
 - Completed multiple POD's (Project on Demand) showcasing knowledge and experience with new tools
 - Worked on FDM's original website and provided production support on new features that were being developed
 - * Migrated original web application to Azure Kubernetes Service using Terraform
 - * Utilized SonarQube as a code quality assurance tool to provide feedback on our pipeline
 - * Implemented an Ansible playbook to automatically integrate Grafana and Prometheus together
 - * Integrated PagerDuty alongside the incident response system to ping appropriate team members
 - Developed a registration web application and hosted it on the cloud while managing infrastructure using Python, Flask, AWS, Azure, GitHub, Bash, and Terraform
 - * Developed base web application using Python and Flask
 - * Created and managed AWS RDS and EC2 load balancers and auto scaling groups for high availability and scalability with AWS
 - * Created backend using Azure for storing backups of Terraform state files
 - * Designed and implemented all the infrastructure for each cloud provider using Terraform
 - Deployed at client, Intact, as a DevOps Engineer
- **DevOps Engineer** Toronto, ON
Intact *March 2023 - July 2023*
 - Main integrator for major monthly releases
 - * Primary point of contact between developers and other cross-functional teams to support, advise, and resolve any issues
 - * Deployed code that was pushed onto GitHub into each environment including several testing environments and production, and also promoted emergency hotfixes to prod
 - * Set up, configured, and managed pipelines on Jenkins directly and through groovy scripts to automate code integration, testing, and deployment
 - Worked on migration of major services from RTC and WAS to GitHub and OCP
 - Took over various ad hoc support requests
- **Automation Developer (Cloud)** Markham, ON
IBM *May 2019 - August 2020*
 - Created pipelines using Jenkins revolving around DB2 for the process of automating multiple scenarios
 - Automated and improved on multiple aspects of the testing process to reduce manual work by 50%
 - Created scripts to perform tests and collect & summarize the necessary information to analyze error logs to find defects faster
 - Analyzed output logs of each test in order to examine what the error suggests, and submitted critical defect tickets on ClearQuest for the respective version of the product
 - Additionally did QA work for DB2, testing over different Operating Systems including AIX, Linux, RHEL, Windows, etc.
 - Maintained multiple clusters of machines of different OS's where testing was conducted alongside other updates, debugging, and formatting

PROJECTS

Centralized Report Platform for Toronto East Quadrant (TEQ)

Report storage and report generation software for the TEQ Immigration Partnership.

- Incorporated design practices to create a functional user interface for TEQ to organize the given data
- Developed features to take data from excel files and put them into a database using SQLite, and generate many different kinds of reports
- Directed scrum meetings and consulted the client for updates regarding preferred developments of the software

Retail Store Application

An android application resembling a retail store.

- Built a visually appealing and functional store application for android
- Features included creating an account and adding items to carts and being able to check out for each cart
- Used Java and Android Studio while incorporating MVC and SOLID design principles
- Coordinated weekly scrum meetings to communicate between team members

CERTIFICATIONS

- **AZ-900; Microsoft Azure Fundamentals**
- **ITIL 4 Foundations**
- **Oracle Cloud Infrastructure 2023 Certified Foundations Associate**
- **Oracle Cloud Infrastructure 2023 Certified Architect Associate**

SKILLS

- **Programming Languages:** Python, Java, Terraform, C, JavaScript, Bash, Go
- **Version Control & Frameworks:** Git, SVN, TkInter, Angular, Flask
- **Software & Tools:** Azure, AWS, Linux, Maven, Eclipse, Travis CI, Jenkins, OpenShift, Docker, Jira, L^AT_EX
- **Databases & Development Designs:** MySQL, SQLite, Agile (Scrum), Waterfall, MVC, ITIL 4

EDUCATION

- **University of Toronto** Toronto, ON
Computer Science - Software Engineering Stream (BSc) *Sep 2016 - Aug 2021*