KHALID KANAAN

• Software Engineering Student •

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EDUCATION

Software Engineering Co-op Option   2018 - Present
Carleton University, Ottawa, ON
- Third year standing, 9.33/12 (B+)
- Expected Graduation December 2024

AVAILABILITY

Available for 4 months beginning May 2023.

SKILLS

TRANSITIONAL SKILLS:
- Programming knowledge and experience with Java, Python, C, HTML, CSS, JavaScript, Flask, React, Express, NodeJS, MongoDB, LDAP, Jinja, SQL, and more.
- Experience with Git and source code repositories such as Bitbucket and GitHub.
- Familiar with most popular IDEs such as eclipse, IntelliJ, vscode, etc.
- Familiar with Linux, Mac OS, and windows 10 operating systems.
- Familiar with the CI/CD process, networking fundamentals, VMs, Docker, and more.

OTHER SKILLS:
- Adept in programming basics, can pick up on new programming languages and concepts easily.
- Cooperative in group projects, always willing to learn, teach, and compromise if necessary.
- Self-taught and hardworking, capable and willing to expand on fresh concepts outside of work.
- Great communicator, polite with customers and always aiming to satisfy.
- Fluent in both English and Arabic.
- Can get around with French.

RECENT WORK EXPERIENCE

Junior DevOps Engineer   **Jan. 2022 - Aug. 2022**
2Keys Corporation, Ottawa, ON
- Wrote a Conceptual Solution Design (CSD) for implementing an internal Docker registry.
- Worked with Ansible Containerized Deployment.
- Updated Ansible playbooks to follow the company's latest approach in terms of provisioning and deployment.
- Deployed applications using Bamboo to the DEV and QA environments.
- Modified ansible vaults to include passwords and TLS certificates for different applications.
- Created the Jinja2 files for generating application configurations for each environment as well as extracting the TLS certificates from the ansible vault to be inserted into the application's running Docker containers.
- Worked on release 2.0 of a python Flask project called MAUI.
- Created Jira test cycles and wrote the test cases for testing MAUI across different environments.
- Updated MAUI related documentation.

DevOps Developer   **Sept. 2022 - Present**
Health Canada, Ottawa, ON
- Developed, built, tested, and deployed React Web app using CI/CD tools.
- Wrote the Dockerfile for each component of the web app (frontend, backend, proxy, and database).
- Wrote terraform scripts to build Docker images and push them to the Artifactory Docker registry and then run the containers in the proper order.
- Implemented a CI/CD workflow (pipeline) for our project using Jenkins.
- Implemented Admin user with special privileges that can delete or edit survey data. Admin credentials were also encrypted for better security.

REFERENCES

2Keys DevOps lead **Randy Ly**: 343-998-4170

HC DevOps Supervisor **Ray Abid**: 905-807-1097