





Mai Hameed

Software Developer

 maihameed.com  maihameed  maihameed  mabelhameed@ryerson.ca  Canada

EXPERIENCE

IBM CANADA LTD. | SOFTWARE DEVELOPER FOR WATSON AIOps

May 2021 - Current | Markham, ON, Canada

- Built and maintained a **Jenkins CICD Pipeline** to support an entire organization of 100+ developers, **automating the build, test, and deploy process** of all services within the organization.
- Took ownership of an abandoned internal test framework, updating it and pushing for the adoption across the entire organization, **increasing test coverage by over 50%**, and **speeding up testing by 60%**.
- Built an **automated testing pipeline** using **Jenkins, Docker, Kubernetes**, and **OpenShift**, to speed up the running of **Functional Verification Tests** by **over 80%**.
- Worked on implementing a new feature from the ground up on an existing service, building and testing using **JavaScript, Node.js**, and **GraphQL**.
- Volunteered with the **STEM for Girls initiative**, coaching over 20 middle-school aged girls in two different camp events.

IBM CANADA LTD. | BACK-END DEVELOPER FOR OPEN LIBERTY (OPENLIBERTY.IO)

May 2019 - September 2020 | Markham, ON, Canada

- Wrote seven technical guides on how to build, deploy, and test **cloud-native web services** and **RESTful APIs** using **Java**.
- Built web applications with **Open Liberty**, containerized with **Docker** and deployed on **Kubernetes** and **OpenShift**.
- Maintained and improved a test infrastructure on all guides using **Travis CI**, **Jenkins**, and **bash scripting**.

PROJECTS

FINANCIAL WEB APP | NODE.JS MONGODB, EXPRESS, DIGITAL OCEAN

April 2021 | Software Engineering Course Final Project | github.com/maihameed/finpal

- Developed a simulated financial web application using **MongoDB, Express, Node.js**, and **Handlebars**.
- Developed an interactive and user-friendly **UI**, and deployed the app to **Digital Ocean**.
- Showcased knowledge in **Software Engineering design**, by utilizing the agile development process throughout the application lifecycle as well as building architecture diagrams and use cases.

SPOTIFY DATA VISUALIZER APP | JAVASCRIPT, HTML, CSS, APIS, OAUTH

April 2021 | Network Security Course Final Project | github.com/maihameed/oauth-project

- Worked with 3 other members to build a **data visualizer** web app using the **Spotify Web API**.
- Explored, built, and deployed a working product using **JavaScript**, with token authorization using **OAuth**, and a **UI** using **HTML** and **CSS**.

MULTI-CLIENT P2P APP | C, NETWORKING, MICROSERVICES

December 2020 | Computer Networks Course Final Project | github.com/maihameed/multi-client-p2p

- Worked with a partner to develop a multi-client to single server peer to peer content sharing system.
- Utilized **C** to establish a **TCP** and **UDP** socket programming system.

SKILLS

In order of proficiency

FIELDS OF EXPERTISE

DevOps • CICD • Cloud • Test Automation • Testing • Pipelines • Building APIs • Microservice Architectures

TOOLS AND LANGUAGES

Jenkins • Travis CI • Kubernetes • Docker • OpenShift • Git • Python • Bash • Node.js • JavaScript • GraphQL

EDUCATION

RYERSON UNIVERSITY

BACHELOR OF ENGINEERING IN
COMPUTER ENGINEERING
April 2021 | Toronto, ON, Canada