

# Hayat Jami

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## EDUCATION

### University of Ottawa

BASC IN ELECTRICAL ENGINEERING & COMPUTING TECHNOLOGY

*Specialization in Power and Sustainable Energy*

Sep 2019 – Dec 2024

*Ottawa, ON, Canada*

## EXPERIENCE

### Software Developer in DevOps

*Ford Motor Company*

May 2023 – Aug 2023

*Ottawa, ON, Canada*

GROOVY, JENKINS, BASH, LINUX, PYTHON, OBJECT-ORIENTED PROGRAMMING

- Created an automation tool to **assess and approve PRs** on **GitHub** using project-specific requirements, **natural language processing**, and **dynamic labelling**.
- Designed and developed an **automation tool** to assist with **triaging** tasks to members through GitHub **API**.
- Executed projects in **Python**, **Groovy** and **Jenkins pipeline** to automate and improve development process.
- Applied **Regex** to streamline **data processing & pattern matching** to improve automation runtime by **35%**.
- Employed **advanced Git** version control for source code management to create a dynamic **DevOps** environment.
- Established & managed **Jenkins pipelines** for **seamless code integration** & enhanced **team collaboration**.

### Software Developer

*Ford Motor Company*

Sep 2022 – Dec 2022

*Ottawa, ON, Canada*

BASH, LINUX, PYTHON, JENKINS, AWK, DEVOPS

- Conducted thorough research on **JFrog Artifactory** and developed **prototype** for **file transfers** under **1 ms**.
- Set up and maintained **Jenkins pipelines** integrating efficient **code changes** and **team collaboration**.
- Enhance existing scripts runtime by leveraging Python's extensive libraries and frameworks such as **Requests** and **Subprocesses**, reducing average API call range from **7 to 2** per pipeline cycle.
- Processed complex **data operations** & developed **analytical algorithms** with **20%** faster wiki data extraction.
- Proficiently handled **data interchange** and **integration using formats** such as **JSON** and **XML**.

### Loadbuild Analytics Application Software Developer

*Ford Motor Company*

Jan 2022 – Apr 2022

*Ottawa, ON, Canada*

ELASTIC STACK (ELK), GO, KUBERNETES, CI/CD, JENKINS

- Developed **loadbuild analytics** application softwares using frameworks & tools suitable for the **project design**.
- Implemented **data processing** and **analytics algorithms** to handle **large datasets** efficiently and **extract** meaningful insights for **loadbuilding operations**.
- Built accessible UI & interactive visualizations presenting complex data analysis results clearly & intuitively.
- Documented **software designs & development processes** facilitating **knowledge sharing & maintenance**.

## PROJECTS

### Byblos Rental Services | *Android, Java, Firebase, CircleCI, Android SDK, Figma, Python*

- Designed and deployed an Android app to facilitate vehicle rental services using an account-based booking system.
- Displayed status of all bookings with options to edit and delete bookings, practicing modern UI & UX practices.
- Stored user data in an encrypted & secure serverless database using Firebase with real-time data safety protocols.

### ChemLab VR | *Unity, Python, C#*

- Developed a dynamic, interactive learning tool to help understand chemistry concepts through virtual reality.
- Generated virtual entities for macro and microscopic, & symbolic concepts with interconnectivity within a system.
- Designed project to be usable by first year organic chemistry undergraduates.

## TECHNICAL SKILLS

**Languages:** Python, Java, Bash, Go, C/C++, C#, Groovy, JavaScript, HTML/CSS, MATLAB

**Frameworks:** Elasticsearch, Logstash, Kibana, React, Node.js, Flask, JUnit, MUI

**Tools:** Git, Jenkins, CircleCI, Kubernetes, Google Cloud Platform, Firebase, Docker

**Software:** Linux, Vim, PyCharm, IntelliJ