

Hayat Jami

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EDUCATION

University of Ottawa

BASC IN ELECTRICAL ENGINEERING & BSC IN 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 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**
- Stored user data in an **encrypted** serverless database using **Firebase** with **real-time** data safety protocols.

AutoMow - Engineering Capstone Project | *Python, Kotlin, Android SDK, Flask, MySQL, OpenCV, PyTorch*

- Developed an **automated** lawn-care solution that utilizes sensors for informed **decision-making** over a robust **network architecture**.
- Engineered a **navigation** system, enabling **precise positioning** & **optimized mowing paths** .
- Designed an Android app collectively with a custom **API** for dynamic **state memory** & **concurrency**.
- Integrated **temperature, moisture, and rain sensors** to a base station with a **return-to-base feature**.
- Set up an **image processing** pipeline to aid path calculation and object detection using **OpenCV** & **PyTorch**.

TECHNICAL SKILLS

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

Frameworks: Elasticsearch, Kibana, React, Node.js, Flask, JUnit, MUI, OpenCV, PyTorch

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

Software: Linux, Vim, PyCharm, IntelliJ, Android Studio