

ANAS MOHAMED

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EXPERIENCE

Areto Labs

Oct 2021 – Present

Software Developer (Python, Flask, React(Typescript), PostgreSQL, Docker, GCP)

Remote, Canada

- Led the database design & greenfield work for a brand new social media sentiment analyzer & moderator, and worked on expanding support by integrating multiple 3rd party APIs.
- Was the de-facto full-stack developer, thus worked on every part from the PostgreSQL database, and the Flask/FastAPI backend services to the the React frontend.
- Contributed to the setting up, evolving, and maintaining of our platform's infrastructure on GCP which included containerized deployments for multiple services.
- Mentored two interns from on-boarding and familiarizing them with the codebase, to the 1:1 check-ins and continued support.

Eclipse OpenJ9 (Open-Source)

Sept 2020 – Jan 2021

Open Source Contributor (C++)

<https://github.com/eclipse/openj9-utils>

- Worked in student team under mentorship of IBM engineers to contribute to the development of a command-line tool for collecting Eclipse OpenJ9's runtime performance stats utilizing JVMTI for JVM metrics, and perf for system level metrics.

DevFacto

Jan 2019 – Sept 2019

Junior Consultant (C#, .NET Core, Typescript, React, Azure)

Edmonton, Alberta, Canada

- Worked on a Geo-mapping web application for managing trailer inventory on construction site. Set up an audit log system, and wrapped up the project for final delivery.
- Developed and delivered a flexible questionnaire system for commercial use with an easily extensible questionnaire database.
- Collaborated with UI/UX designers in researching user requirements, stakeholder interview and developing end-user interfaces.

EDUCATION

University of Alberta

Sep 2016 – Jun 2021

Bachelor of Science with Specialization, Computing Science

Edmonton, Alberta

SKILLS

- Frameworks/Libraries: React, Flask, Ruby on Rails, Django
- Programming Languages: Python, Javascript/Typescript, Go
- Databases/Cloud Infrastructure: SQLite, PostgreSQL, Heroku, GCP

PROJECTS

Kagi Go

<https://github.com/amohamed11/kagi>

A lightweight B+Tree-based on-disk key-value store implemented from scratch in Go.

Hogwash React(Typescript), Ruby on Rails, Heroku

<https://github.com/amohamed11/hogwash>

A word game based of balderdash but modified for the web. Built with websockets & fun.

chibiOS Rust

<https://github.com/amohamed11/chibiOS>

A small operating system built in Rust, to learn more about systems programming.