Anas Mohamed

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EXPERIENCE

DevFacto - Junior Developer (Intern)
Jan 2019 – Sep 2019
Edmonton, Canada

- Main stack was **.NET Core, React(TypeScript), SQL Server** and **Azure DevOps** for project management.
- Developed a Geo-mapping web application for trailers & inventory. Worked on the frontend & setting up an audit log.
- Worked on a dynamic questionnaire system for commercial use. Contributed to frontend & to setting up a normalized & modular SQL Server database.
- Started the development of an internal tool for tracking & recommending different technologies for projects at DevFacto. Collaborated with UI/UX research in gathering requirements and developing the frontend.

EDUCATION

BSc Specialization in Computing Science
Sep 2016 – Apr 2021
Edmonton, Canada

University of Alberta

Relevant Courses:
- CMPUT 379 - Operating System Concepts (Done)
- CMPUT 401 - Software Process and Product Management (Done)
- CMPUT 481 - Parallel and Distributed Systems (Current)

PROJECTS

Perf-Agent (Open-Source) ⬈
Elicpse OpenJ9 Performance Analyzer

*Learning & using **C++, JVMTI, Socket Programming***
- Contributing to the OpenJ9 platform.
- Developing a tool for collecting Eclipse OpenJ9's runtime performance metrics utilizing JVMTI & perf, with the goal of utilizing the collected data to recommend possible optimizations to code.

Kagi ⬈

*Learning & using **Go, Key-Value store design***
- A lightweight key-value store implemented in go.
- Kagi is a on-disk database that utilizes B+Tree for data organization & access.
- My goal in building Kagi is to research & implement on-disk databases.

Hogwash ⬈

*Learned & used **Ruby on Rails, React (Typescript), PostgreSQL, Heroku***
- Hogwash is a word game based of balderdash ⬈ but modified for the web.
- Uses Rails' ActionCables for sending game state changes to players through websockets.
- Frontend is built on React utilizing Typescript.
- GitHub Actions is used for CI/CD, running tests before deploying to Heroku.

SKILLS

Frameworks
React, Ruby on Rails, .NET Core

Programming Languages
C/C++, Python, TypeScript, Go

Project Management
AzureDevOps, GitHub projects

Software Development (SDLC)
Agile Development, Test-Driven Development, CI/CD

Databases
SQL Server, PostgreSQL, SQLite

Version Control
git, Team Foundation Server