Anas Mohamed

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EXPERIENCE

DevFacto - Junior Developer (Intern)   01/2019 – 09/2019
- Main stack was **.NET Core, React(Typescript), SQL Server** and **Azure DevOps** for   Edmonton, Canada
  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, and setting up an easily extensible & 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   09/2016 – 04/2021
University of Alberta   Edmonton, Canada
Relevant Courses:
- CMPUT 379 - Operating System Concepts (Done)
- CMPUT 401 - Software Process and Product Management (Done)
- CMPUT 404 - Web Applications and Architecture (Current)
- CMPUT 481 - Parallel and Distributed Systems (Current)

PROJECTS

Perf-Agent (Open-Source) 🔗
Elicpse OpenJ9 Performance Analyzer
Learned & used **C++, JVMTI, Socket Programming**
- Contributed to the OpenJ9 platform under the mentorship of IBM engineers.
- Developed a tool for collecting & recording Eclipse OpenJ9's runtime performance utilizing JVMTI for JVM
  metrics & perf for system level metrics with the goal of utilizing the collected data to recommend possible
  optimizations to code.

Kagi 🔗
Learned & used **Go, Key-Value database design**
- A lightweight key-value store implemented in go.
- Kagi is a on-disk database that utilizes B+Tree for data organization & access.
- Setup tests & benchmarks using Go's built-in testing library.

SU Elections Management Portal
Learned & used **Vue.js, Django, Docker & GitHub Actions**
- Led 6-person team in a term-long group project.
- Developed a web app that would handle and streamline the process of creating and submitting
  club/association elections to the Student Union's.
- Worked on setting up authentication, UI/UX, containerizing our project, setting up CI/CD using GitHub
  Actions.

SKILLS

Frameworks   **Programming Languages**
React, Vue, Django, .NET Core   *C/C++, Python, TypeScript, C#*

Project Management   **Software Development (SDLC)**
AzureDevOps, GitHub projects   *Agile Development, Test-Driven Development, CI/CD*

Databases   **Tools/Version Control**
SQL Server, PostgreSQL, SQLite   *Linux, Vim, VSCode, git, Docker*