Anas Mohamed

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EXPERIENCE

Junior Developer (Intern)   January 2019 – September 2019
DevFacto   Edmonton, Alberta
*Learned & used **.NET Core, React(Typescript), SQL Server** and **Azure DevOps.***

- Worked with a remote team on a Geo-mapping web application for managing trailers and inventory. Set up an audit log system, modification of open-source tools to fit the project needs, and finally wrapping up the front-end for delivery.
- Developed and delivered a flexible questionnaire system for commercial use with an easily extensible questionnaire database. I also owned the front-end development.
- Collaborated with UI/UX designers and participated in researching user requirements and developing the engaging interfaces.

EDUCATION

Bachelors of Science with Specialization, Computing Science   September 2016 – April 2021
University of Alberta   Edmonton, Alberta
Relevant Courses:
- CMPUT 481 Parallel & Distributed Systems
- CMPUT 401 Software Process and Product Management
- CMPUT 379 Operating System Concepts

SKILLS

Frameworks
React, Ruby on Rails, Django

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

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

Databases/Cloud Infrastructure
PostgreSQL, Heroku, AWS (S3, Lambda)

PROJECTS

Perf-Agent (Open-Source) ⬈
Elicpse OpenJ9 Performance Analyzer
*Learned & used **C++, JVMTI, Socket Programming***

- Contributed to the development of a tool for collecting & recording Eclipse OpenJ9's runtime performance utilizing JVMTI for JVM metrics & perf for system level metrics.
- Contributed to the core threading implementation and delivered the core for the server, network client, and capture of verbose GC logs and contributed to the overall infrastructure.

Kagi ⬈
*Learned & used **Go, Key-Value database design***

- A lightweight disk-based key-value store implemented from scratch in Go.
- The database utilizes an on-disk B+Tree for data organization & access.
- Developed in TDD manner, with tests & benchmarks created using Go's testing library.

Pinbooru ⬈
*Learned & used **Ruby on Rails, AWS S3, Heroku, Tailwind CSS***

- Pinbooru is a dead-simple image board, where a user can create posts with multiple images.
- Built using Ruby on Rails, with StimulusJS & Tailwind CSS to create dynamic & interactive pages.
- Pinbooru utilizes an AWS S3 bucket for storage, and is currently deployed on Heroku