Mohammad Alothman

Software Engineer

Dedicated and enthusiastic Software Engineer with 6 years coding experience. Highly experienced in back-end server development and well versed in creating front-end user interfaces utilizing various frameworks. Adept at working with others as well as cross-team coordination. Skilled at creating and enabling software based business solutions.

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WORK EXPERIENCE

Software Engineer / Dispatch
Eagle Path Express LLC

02/2018 - 03/2020

Achievements/Tasks

- Developed and maintained a freight management portal in React.js front-end and Java back-end using SpringBoot and GraphQL.
- Integrated with partner API's to maximize compatibility between systems to reduce time needed to perform operations on partner software.
- Performed daily freight contract executions to keep drivers running on the road.

CERTIFICATES

Programming Using Java
Credential ID: vKBP-uTBw

Adobe Certified Associate
Credential ID: wbCnM-H9xw

Microsoft Office Specialist: Word
Credential ID: dYU5-XVmE

COMPETITIONS

Java Console Apps (BPA)
Java Programming Competition - 3rd Place

Computer Animation (BPA)
Computer Graphics Competition - 5th Place

EDUCATION

Bachelor's Degree, Computer Science
Wayne State University

08/2019 - 06/2023

TECHNICAL SKILLS

Java　JavaScript　GoLang　HTML　CSS　PHP
C++　Git　Linux　Nginx HTTP Server　MongoDB
MySQL　Google Compute Engine　Electron
React.js　React Native　OpenGL

PERSONAL PROJECTS

Ion Engine
- Cross Platform Windows/Linux game engine based in OpenGL
- Utilized various lighting algorithms to achieve a PBR rendering system
- Built on top of LWJGL in java to access various C++ library bindings.
- Implemented convex collision detection and joint physics using Nvidia PhysX
- Employed ImGui to create a front-end level editor

AniView
- Utilized React Native and Expo to create a cross platform mobile application
- Leveraged GraphQL for all data requests to the server
- Created a space for users to track, search, and view the most popular recommendations for shows that they're interested in.

Cardinal Energy
- A public data library that's built for storage and retrieval for a virtual energy system.

LANGUAGES

English
Native or Bilingual Proficiency

Arabic
Native or Bilingual Proficiency