Jafer Haider

Third Year Computer Science and Business Administration | Canadian Citizen | USA Permanent Resident

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Work Experience

Technical Product Manager Intern — National Logistics Service   September 2018 - Present

- Designed architecture for visitor management to track usage of warehouses by employees, contractors, and visitors
- Liaised with security, IT, and warehouse teams to turn ambiguous requirements into clear, specific business goals
- Leveraged Go back-end with React Native front-end to create cross-platform mobile apps from end to end

Software Developer Intern — BMO Capital Markets   January 2018 - April 2018

- Collaborated with fixed-income traders to deliver C# applications that streamlined trading of corporate securities
- Leveraged pub/sub back-end and FIX protocol adapter to allow bulk trading of bonds resulting in smooth trader workflow
- Connected Angular2 front-end with MongoDB back-end to measure risks on US trading desks to prevent liabilities

DevOps Engineer Intern — Camis Inc.   May 2017 - August 2017

- Created a dynamic web dashboard with Node.js and jQuery used to monitor and update clients remotely
- Implemented a company-wide source control branching strategy involving migration from TFS to Git
- Facilitated the implementation of Puppet to monitor deployment to client machines with restricted bandwidth limits

Skills

Languages: **C, C++, C#, JavaScript, Java, Python, PowerShell, SQL, React, Angular, Node.js, ASP.NET, Vue.js**
Tools and Technologies: **SVN, Git, TFS, MongoDB, Visual Studio, SQL Server, Oracle, Linux, Express, Expo**

Projects

Visitor Management System — Mobile app on iOS/Android tablets to register employee/ visitor entry to warehouses

- Developed seamless, scalable user interface using React Native with Expo to deploy to clients
- Designed and scaled with both phones and tablets in mind, providing the same experience on all devices
- Connected Go API to SQL Server database for back-end management of visitor states and building information

Sorcery ⭕ — Object-oriented implementation of card game similar to Magic the Gathering and Hearthstone

- Used C++ MVC pattern to facilitate effective groupwork and delegation of tasks alongside low coupling
- Implemented Subject-observer pattern wherein the gameboard broadcasted all moves to graphical interfaces
- Effectively managed project by creating UML design beforehand and utilizing effective git branching workflows

web-msngr ⭕ — Real-time personal messaging web application created using the MEAN tech stack

- Connected Node.js backend with the Express framework to create a REST API for an Angular frontend
- Used MongoDB NoSQL database to efficiently store and retrieve information about users, chats, and messages
- Implemented Socket.io to facilitate real time message retrieval and broadcasting for connected users

Activities and Leadership

Laurier Consulting Program
Lead Consultant; planning and presenting consulting deliverables for chief executive officers of augmented reality start-up

Waterloo Product Vision Club
General member; working towards developing skills to become an effective product manager through weekly workshops

Waterloo Data Science Club
General member; weekly meetings about visualizing, modelling, and analyzing data with participation in kaggle competitions

Education

Candidate for Honours Bachelor of **Computer Science**, BCS — **French** minor   **University of Waterloo**, 2016 - 2021
Candidate for Honours Bachelor of **Business Administration**, BBA — **Finance**   **Wilfrid Laurier University**, 2016 - 2021
GPA: 3.3/4.0