Maxwell Joyce

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SKILLS

Fullstack software engineer with experience using Javascript, React, Node.js, HTML, CSS, and MongoDB to create web applications. Experience using Docker and Kubernetes to containerize and deploy web applications. Also proficient with SQL, QML, Python, and C++.

EMPLOYMENT

Curated – Snowboard Expert
Online, September 2021 – November 2023

- Displayed effective sales skills by facilitating 200k in snowboard sales revenue
- Provided personalized suggestions to customers based on their input
- Ensured smooth operations by flagging inventory and technical issues
- Participated in a beta program to test new platform features with the engineering team

Senscio Systems – Software Engineer
Boxborough, MA - February 2018 – September 2018

- Collaborated in a team to create a user-friendly interface for the healthcare industry using QML
- Translated Java code into QML
- Identified and prioritized bugs using a bug tracking system
- Designed program functionality for language translation
- Developed games in QML for patient engagement

PROJECTS

WhereHaveIBeen.com

- Created a location-based picture-sharing web application using the MERN stack (MongoDB, React, Node.js, Express) and Leaflet
- Integrated a front end, back end, and database, highlighting full-stack development skills
- Implemented user profiles with maps and image points for each user
- Added functionality for users to connect and befriend each other

Senior Design Project – Fully Automated Hydroponic Greenhouse, 2nd place
Lead Software Developer

- Led the software development for an autonomous greenhouse
- Designed a state machine using Python to simulate the life cycle of various plants
- Collaborated with a team to launch a hybrid Android application and website, providing real-time information on greenhouse conditions and growth optimization tips to users

EDUCATION

IBM Skills Network
IBM Full-Stack JavaScript Developer Professional Certificate

- Completed 12 courses covering Javascript, HTML, CSS, and Git and many other topics
- Used Express, Node.js and MongoDB to create back end servers
- Used React to create responsive web applications
- Used Kubernetes and Docker to containerize and deploy applications

University of Massachusetts Amherst
BS in Computer Systems Engineering May 2017, GPA: 3.0

- 2nd Place in Electrical and Computer Engineering Senior Design Project
- Relevant coursework includes: Hardware Organization & Design, Computer Systems, Software Intensive Engineering, System Software Design, Embedded Systems Verification, Signals & Systems