

Jacob William

Software Engineering Intern

I'm a Full Stack Software Engineer specialized in React, NodeJS, Python, C#, and many other languages and frameworks. I also specialize in developing secure and optimized applications using the proper algorithms and software engineering practices. I believe that languages and frameworks are just tools and what matters is who's using them.

Experience

2018-11 - present	Software Engineering Intern <i>Aclara Technologies, LLC</i> <ul style="list-style-type: none">Developing manufacturing software with real-time analytics, employees management, and fetching data from multiple databases and 3rd party APIsC# full stack projectMVC design that includes database models, controllers, and viewsImplemented using complex data structures such as binary search trees to handle the large data fetched from data base and APIsUsed Microsoft's DevOps to handle projects' tasks and their management
2018-05 - 2018-07	Software Engineering Intern <i>Open Learning Exchange, Inc</i> <ul style="list-style-type: none">Worked on Android and Angular projectsImplemented UI for varies of views and backend logicAnticipated in code reviews, pull requests, and bugs on GitHub

Education

2017-03 - 2020-04	Southern New Hampshire University, BA in Computer Science <ul style="list-style-type: none">Taken CS core courses such as: Data Structures and Algorithms course, Advance Database courses, Operation Systems course, OOP course, and varies Intro to programming courses in different languages.GPA 3.6
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Projects

Cell Productivity

It features real-time analytics, order management and tracking features. It also has an in-app messaging system for communication between supervisors and assembly-line workers. The backend capabilities comes from different data sets that are fetched from Workday API and the company's Microsoft SQL databases.

Redux Streamer

Social media app set up with very strong authentication system that uses Json web tokens and has an RTMP server to provide live streaming feature to the user. The project uses ReactJS and Redux for the front-end. NodeJS, express server for the backend with Mongo database to hold relevant user info.

Authenticator-ExpressJs

Authentication system for ExpressJS web server. It encrypts plain-text password to hashed password to MongoDB. It also uses PassportJS to implement secure routing API. The purpose of this project is to implement a very secure back end authentication system to prevent data theft.

Barcode Decoder and Encoder

Developed in C# during my internship, this program has the capabilities of generating bar codes in more than 3 formats.

Personal Info

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Portfolio https://jacobwi.io
GitHub https://github.com/onlyserenity
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Software

React	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Advance</div>
NodeJS (ES5, ES6)	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Advance</div>
LESS, CSS, SCSS (including @emotions and @styled-components)	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Advance</div>
C#	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Advance</div>
Python	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Advance</div>
Redux	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Semi-Advance</div>
Android in Java	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Semi-Advanced</div>
Swift	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Intermediate</div>
GatsbyJS with GraphQL	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Intermediate</div>