

Jacob William

Software Engineering Intern

Strong skills in design and computer science concepts implementations. Expert in C#, Java, JavaScript and Python and many programming languages frameworks and libraries . This comes with a front-end and back-end experience in real-world projects. A wide experience that ranges from Web applications to Desktop Applications and Mobile Applications.

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.
- Barcode Decoder and Encoder**

Developed in C# during my internship, this program has the capabilities of generating bar codes in more than 3 formats. It also features a decoding capabilities using cellphones camera or barcode scanners.

Personal Info

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Software

ReactJS	<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>
Backend in NodeJS and ASP.NET (Including setting up secure login system using JsonWebToken and Server-side validations via RESTful)	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Advance</div>
LESS, CSS, SCSS	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Advance, also experienced in implementing those in JavaScript (@emotions and @styled-components)</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>
GatsbyJS with GraphQL	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Moderate</div>