

Shane Bramble-Wade

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SUMMARY

Software Engineer with experience in full-stack development, automation, and database management. Proven ability to develop and optimize applications using JavaScript, SQL, and backend technologies. Currently transitioning from a Lab Manager role to a full-time Software Engineering position.

EXPERIENCE

Lab Manager

Sep 2021 – Present

Raytheon

Dallas, TX

- Supervised the overall operations of 10+ laboratories by conducting workflow analysis and daily activity monitoring.
- Automated lab tasks, integrated equipment with software, and streamlined data management, saving 20% time.
- Established a safety culture through regular training and compliance checks, maintaining an accident-free workplace for 3 years.
- Designed custom software in JavaScript and MATLAB, saving 10 hours/week on data analysis and automation.
- Developed SQL-based inventory database, improving lab management accuracy by 25% and reducing stock discrepancies by 30%.

Software Engineer Intern

Sep 2020 – Jan 2021

Corserva

Orlando, FL

- Achieved a 30% increase in battery life performance for each Bluetooth Smartwatch by optimizing power consumption algorithms.
- Practiced strong configuration management and version control for 20+ projects across seven teams.
- Enhanced software efficiency by 18% through rigorous bug fixing and comprehensive process documentation.
- Designed and coded 1,000+ unit and integration testing using Jest and test-driven development (TDD).
- Updated 30+ electrical schematics using KiCad for record-keeping and power system modeling.

EDUCATION

University of Central Florida

Orlando, FL

Full Stack Development Boot Camp

Nov 2021

University of Central Florida

Orlando, FL

Bachelor of Science in Computer Engineering

Dec 2020

PROJECTS

Tech-Blog | *HTML/CSS, JavaScript, Node.js, MySQL, Sequelize, Handlebars, Git*

Oct 2024 – Nov 2024

- Developed CRUD functionality for articles and comments to create, read, update, and delete content.
- Engineered a Node.js backend for efficient server-side operations and handling of requests.
- Optimized Handlebars.js to dynamically generate HTML elements, resulting in a 40% reduction in page load times and enhancing user engagement by 25%.

Recipe Renegade | *HTML/CSS, JavaScript, Materialize UI, RESTful API, Git*

Aug 2024 - Sep 2024

- Led the development of a responsive front-end using HTML, CSS, Bootstrap, and Vanilla JavaScript.
- Connected a RESTful API to search for foods based on either ingredients, recipe names, or meal types.
- Implemented responsive design strategies to ensure the application was mobile-friendly, leading to an increase in user retention by 20%.

Smart Watch | *Java, Gradle, Android SDK, Bluetooth API, Sensor API, Firebase, JUnit*

Sep 2020 – Jan 2021

- Programmed a Java application for a smartwatch to unlock “Alfred Lock” doors when within 3 feet.
- Created PCB layouts using KiCad, with precision manufacturing on an LPKF milling machine.
- Coordinated closely with a team of 10+ engineers and designers to integrate software with hardware.

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, C#, MATLAB

Frameworks: React, React Native, Vue.js, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

Databases: MySQL, NoSQL, MongoDB, Firebase