

Robert Levi Bays III

Marietta, Georgia, United States ✉ lbays30@gmail.com ☎ (812) 530-1578 📄 in/levi-bays-57ab83a2/ 🌐 <https://levibays.com>

SOFTWARE DEVELOPMENT EXPERIENCE

Software Engineer (C#) | RecBox Games | Remote | August 2023 - Present (Open Source Project)

- Open source software project building a Linux based Texas Hold 'Em application for a game console with a complex and responsive client-side controller, resulting in over 3,000 lines of personal code contributed.
- Employed C#, Unity, JavaScript, and HTML/CSS to meticulously craft the high-fidelity application, consistently adhering to Object-Oriented Programming (OOP) principles. Ensured the web application remained responsive for around 90% of browsers.
- Scaffolded game mechanics including card dealing, betting systems, algorithms for scoring, and player interactions.
- Utilized Git control systems for version control, communication, and issue tracking. Engaged with other developers in a multi-disciplinary, collaborative environment to delegate tasks and maintain clean, efficient code repositories.

Lead Engineer | Kickr Design | Atlanta, GA | March 2021 - February 2023

- Provided engineering expertise and customer service to over 800 entrepreneurs seeking product development services in a customer facing role.
- Maintained and nurtured relationships with prospective clients through an average of 5 meetings each.
- Presented over 800 distinctive project outlines, brainstorming possible solutions and aligning clients with personal client goals and company strengths. Handled client questions and hesitations about these solutions.
- Leveraged comprehensive engineering expertise encompassing mechanical, electrical, and software systems to propose catered solutions to address client requirements and objectives, ultimately driving projects to successful completion.

Unit Applications Engineer II | Altec, Inc. | Elizabethtown, KY | August 2018 - March 2021

- Independently-developed and launched two desktop applications in a production environment built to streamline information gathering by extracting crucial information from a SQL database to complete complex tasks, leading to around 2 hours of time savings per engineer per day.
- Collected feedback from users, leading to over 10 large improvements, integrating changes to ensure continued performance throughout both application's lifecycle.
- Prepared comprehensive documentation throughout the SDLC, ensuring that the application remains usable and understandable, even today.
- Quickly identified and addressed manufacturing and supply chain issues, leveraging my problem-solving, troubleshooting, prioritization and communication skills to prevent impacting costly delays in production.

HIGHLIGHTED SKILLS

Languages: C#, ASP.NET MVC, Microsoft SQL Server, JavaScript, Typescript

Front End: React, Angular, Vue.js, HTML, CSS

Other: AWS, Azure, API integrations, JSON, Nodejs, Docker,, Postman, Windows, Linux

EDUCATION

Bachelor of Science in Engineering | Purdue University | Minor in Entrepreneurship | 3.84 | West Lafayette, IN | 2018

SOFTWARE DEVELOPMENT COURSEWORK

Harvard CS50x: Introduction to Computer Science | Remote | 20232 | C, Python, HTML/CSS, Flask, SQL

HIGHLIGHTED PROJECTS

Portfolio Website | <https://levibays.com>

- Built a personal portfolio website to showcase my talent and expertise consisting of 5 highlighted portfolio projects.
- Utilized Vue.js to create an interactive and elegant website with a smooth user experience, ensuring seamless navigation across pages from various devices.
- Leveraged Vue.js's reactivity and component-based architecture to optimize website performance, resulting in a Google Page Speed score of 96/100.
- Enhanced the website's look and feel by integrating JavaScript components libraries such as Bootstrap and jQuery.

Up In Roses | <https://upinroses.com>

- Developed a website for a local florist to simplify the album upload process for the client's portfolio work removing about 2 hours of work per album upload.
- Conducted extensive conversations with the client to understand specific requirements and vision, ensuring a consistent and tailored Ux.
- Utilized HTML, JavaScript, and CSS techniques to build a custom website using Jekyll, a powerful static site generator.
- Optimized the website across multiple browsers for improved search engine visibility through effective SEO best practices, using my understanding of web performance to ensure compliance to accessibility standards. Website presents a 91/100 Google Page Speed rank for SEO.

Clay Vs. Levi | <https://clayvslevi.azurewebsites.net/>

- Created a "just-for-fun" website in ASP.NET MVC to track video game wins/losses.
- Built the website from the ground up using ASP.NET MVC, allowing complete control over both the front end and backend for a seamless and tailored user experience.
- Crafted an intuitive front end to facilitate easy data entry and tracking, making the web application simple for users to record game results.
- Implemented a robust backend server-side to efficiently store and manage the recorded data, ensuring accurate tracking of wins and losses over time.

