

Misael Bolainez

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[LinkedIn](#)

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TECHNICAL SKILLS

- **Programming Languages:** HTML, CSS, JavaScript, SQL
- **Frontend Development:** React.js, Next.js, Bootstrap, Tailwind CSS, Material-UI
- **Backend Development:** Node.js, Express.js, Firebase, MongoDB, RESTful APIs, Firebase Authentication, Firestore
- **UI/UX Design:** Figma, User Interface Design
- **Tools:** GitHub, Git
- **Project Management:** Agile, Scrum, Trello, Pair Programming, Code Reviews

PROJECTS

Smart Pantry

Aug 2024

- Developed a pantry tracker application with user authentication using Firebase, allowing users to create accounts and manage their virtual pantry
- Integrated AI-driven recipe recommendations based on ingredients stored in the user's pantry using Llama 3.1 AI
- Implemented a seamless user experience by using MaterialUI for adding, editing, and tracking pantry items

Music Player

Jun 2023 - Jul 2023

- Led and advised a team of six to develop a Full Stack Application using React.js, Express.js, Node.js, MongoDB & AWS
- Leveraged Spotify's Dev Documentation to integrate Spotify API and authenticate user information
- Employed asynchronous API integration to seamlessly retrieve and produced users' playlist data on the app UI

Quizzical

May 2023

- Demonstrated proficiency in React.js and front-end development by completing a Scrimba React course's final project, delivering a fully functional five question quiz app based on a Figma design
- Implemented the he.js library for decoding data retrieved from an API and nanoid to generate unique keys for the quiz components

Minesweeper

Jan 2023

- Designed a responsive grid-based game board with three difficulty levels, optimizing user experience and engagement
- Computed a 2D array to store randomized bomb locations for 10, 40, and 99 bombs; tracking the number of bombs adjacent to each cell
- Executed recursive functionality to reveal empty cells creating a seamless gameplay experience

Boggle

May 2022

- Engineered and completed an innovative click-and-drag functionality, enabling seamless word creation on the game board
- Integrated a comprehensive dictionary of 50,000 words stored in an array to validate user-created words
- Orchestrated the integration of animations, empowering users to effortlessly rotate the game board and gain fresh perspectives

CAREER HISTORY

Full Stack Developer Intern |

Aug 2024 – Present, Apr 2023 – Dec 2023

Bay Valley Tech - Free Code Academy

- Developed and collaborated on 7+ projects by using HTML, CSS, JavaScript, React.js, Next.js, SQL, Firebase and Node.js
- Managed and directed full-stack projects with teams of six/twelve by following agile methodologies
- Volunteered as a TA to help mentor and guide 80+ students through code reviews and assignments

Web Application Developer Apprentice |

Feb 2022 – Oct 2022

AlphaWorks, Bitwise Industries Apprenticeship Program

- Designed and advised on 10+ user-friendly websites/mobile sites by using HTML, CSS, JavaScript, React.js & Bootstrap
- Collaborated with teams of 10 using agile methodologies; contributing to the software development life cycle
- Mentored and trained 50+ pre-apprentices through peer programming sessions and code review

EDUCATION

University of California, Merced

Dec 2021

Bachelor of Science: Computer Science and Engineering