

Misael Bolainez

misaelbolainez@gmail.com | [LinkedIn](#) | [Github](#) | [Portfolio](#)

TECHNICAL SKILL

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

PROJECTS

Local Food Finder | Team Project - [Site](#)

Sep 2024

- Spearheaded the development of a full-stack web application in just three weeks, utilizing Next.js, Firebase and PostgreSQL to streamline user logins while enabling seamless access to local vendors and restaurants
- Created and managed three user roles: user, vendor, and admin registration flows with role-based access control, allowing vendors to manage menus and submissions, and enabling admins to moderate content and oversee platform operations
- Engineered a robust database schema utilizing SQL for user-related functionalities, including favorites and dietary restrictions; optimized data retrieval processes to enhance overall platform responsiveness

Smart Pantry | Personal Project - [Site](#)

Aug 2024

- Developed a pantry tracker application with user authentication using Firebase, allowing users to create accounts and manage the 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 | Team Project - [Site](#)

Jun 2023 - Jul 2023

- Led a team of six to develop a full-stack application using React.js, Express.js, Node.js, MongoDB, and AWS
- Leveraged Spotify's API for user authentication and facilitated data retrieval to produce users' playlists in the app UI
- Employed asynchronous API integration to retrieve and display users' playlist data seamlessly

Quiz App | Online Course Project - [Site](#)

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 a HTML entity encoder/decoder library for decoding data retrieved from an API and a string ID generator to generate unique keys for the quiz components

Minesweeper | Personal Project - [Site](#)

Jan 2023

- Designed a responsive, grid-based game board with three difficulty levels, enhancing 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 in the 8 adjacent cells, ensuring seamless gameplay

EXPERIENCE

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 6-12 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