Benjamin Ballard

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SKILLS

Languages: JavaScript, TypeScript, HTML5, CSS3, SASS, MySQL, Bash
Frontend: React, Vue3, Quasar, Pinia
Backend: Node.js, Express, RESTful API
Hosting: Firebase, Digital Ocean
Tools & Utilities: Git, GitHub, Postman, Wireshark, Figma

EXPERIENCE

Full-Stack Developer | Perenne, LLC | March 2024 - Present

Technologies: Vue2/3, Quasar, Typescript, Node.js, Express, RESTful API
· Upgraded legacy Vue2 customer management application to Vue3 (Quasar), improving performance and maintainability.
· Migrated single-tenant database to multi-tenant, developing a middleware API to dynamically route requests to isolated tenant databases.
· Built admin dashboard features to remotely control tenant servers (start/stop scripts) and allocate memory/resources per customer.

Full-Stack Developer | MycoTex, LLC | December 2023 - March 2024

Technologies: React, TypeScript, Chart.js/D3, Node.js, Express, REST API, SQL, Digital Ocean
· Designed and deployed a real-time environmental monitoring dashboard tracking temperature, CO_2, and lab conditions, enabling staff to optimize growing environments and diagnose crop failures.
· Deployed comprehensive visual data charts via Node.js and Express for historical analysis, contributing to faster identification and resolution of incubation disruptions.
· Optimized data handling system by designing a scalable database in SQL, leveraging Node/Express API to process over 500 sensor data requests per minute.

Full-Stack Developer | Ripple Learning, LLC | September 2023 - December 2023

Technologies: React, TypeScript, GPT-4 API, Node.js, Express, REST API, SQL, Firebase, Chart.js
· Developed a GPT-powered chatbot to assist students with online textbook comprehension, improving learning efficiency and engagement.
· Led creation of an administrative dashboard to monitor chatbot usage analytics, identifying curriculum gaps and optimizing content.
· Designed a job application tracking platform with GPT-driven resume analysis, cross-referencing resumes against job descriptions to highlight areas for improvement.
· Implemented features to track hiring progress across multiple stages, streamlining application management for users.

EDUCATION

Full Stack Software Development | Austin Coding Academy | September 2022 - August 2023

· Built and deployed interactive web applications using modern frameworks, implementing responsive design and user-centered development principles
· Collaborated on team projects to develop dynamic, data-driven web solutions, demonstrating strong communication and agile workflow skills
· Applied full-stack JavaScript technologies (Node.js, React, etc.) to solve complex problems and deliver functional applications