Tyler LaRocca - Full Stack Engineer

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SUMMARY

As a full-stack software engineer with a robust foundation in JavaScript, TypeScript, React, HTML, CSS, API implementation, Node.js, Express, PostgreSQL, and frameworks like Bootstrap and Vite. I bring a unique blend of technical prowess and educational insights to the table. My academic background in Higher Education and Education (learning and behavioral studies) equips me with a deep understanding of collaborative efforts, leadership, having to be self-motivated, self-driven, and the importance of continuous learning. These skills, combined with my technical expertise, enable me to deliver innovative solutions, work effectively in team environments, and adapt swiftly to new technological trends.

TECHNICAL SKILLS

Frontend: HTML, TypeScript, CSS, JavaScript, React, jQuery
Backend: Node.js, Express, RESTful APIs, PostgreSQL
Tools: Mocha, Chai, Vite, Knex, Git, GitHub, Heroku, Node Package Manager, Visual Studio Code

PROFESSIONAL EXPERIENCE

ComplyAI   Remote, CA
Software Engineer - Frontend   09/2024 - Current
- Develop and enhance web applications using TypeScript, JavaScript, React, and TailwindCSS.
- Focus on creating intuitive, user-friendly interfaces that improve the overall user experience.
- Build efficient, accessible, and responsive web applications optimized for performance.
- Implement modern front-end development practices, ensuring clean, maintainable code.
- Collaborate closely with cross-functional teams to deliver high-quality solutions that address real-world problems.
- Continuously seek ways to improve the user experience and technical quality of web applications.

Madden Academy   Remote, CA
Full Stack Engineer Intern (AI)   06/2024 - Current
- Collaborate in a dynamic team to develop an AI chatbot using PHP/Laravel and JavaScript.
- Implement and integrate Natural Language Models (NLM) to enhance the chatbot's ability to coach users through Madden games.
- Participate in designing, coding, testing, and deploying chatbot features to ensure a seamless user experience.
- Providing value by currently assisting in heavily debugging, while my company ideas (tournament and pricing ideas, etc.) have nearly doubled the amount of users.

Web Developer   Remote, CA
Digital Cartel Media   07/2021 - 07/2022
- Designed and implemented innovative web development strategies, optimizing user experience and enhancing website performance.
- Developed and executed data-driven web applications, increasing user engagement and satisfaction.
- Implemented front-end and back-end solutions, actively improving website functionality and reliability.
- Conducted in-depth code reviews and testing to ensure high-quality, bug-free releases, enabling data-driven decision-making.

SOFTWARE ENGINEERING PROJECTS

Restaurant Reservation Application | Link
- Developed a full-stack reservation and table management system, utilizing React Router and Express to build a RESTful API for seamless HTTP requests to a PostgreSQL database.
- Implemented CRUD functions and utilized Knex queries to efficiently handle data interactions with the database.
- Leveraged Git for version control, ensuring secure management of changes and preventing sensitive information from being pushed to repositories.
- Leveraged React for front-end development, Node.js and Express for server-side logic, Knex for query building, and PostgreSQL for database management, ensuring a robust and scalable web application infrastructure.

Digital Cartel Media Site | [Link](#)

- Designed and developed a responsive, user-friendly website for Digital Cartel Media using modern JavaScript technologies (React, Vue.js).
- Implemented dynamic UI components to enhance user interaction and experience.
- Collaborated with design and backend teams to ensure seamless integration and functionality.
- Utilized SEO best practices to improve search engine visibility.
- Conducted thorough testing and debugging to ensure cross-browser compatibility and performance.
- Integrated third-party APIs for analytics, social media, and contact forms to enhance site capabilities.

Madden Academy AI | [Link](#)

- Created an application that provides users with real-time coaching and training tips for Madden NFL games.
- Developed a Natural Language Model (NLM) AI chatbot to assist users by offering "coaching on the fly," improving their gameplay through contextual advice and strategies.
- Implemented features that allow users to interact with the AI, ask questions, and receive tailored responses based on in-game situations.
- Defined routes and user interfaces, ensuring a seamless user experience across multiple components.
- Leveraged advanced web technologies such as PHP/Laravel, JavaScript, and AI models for robust application development; meticulously tracked progress and versions using Git to ensure code integrity and version control.

EDUCATION

Certificate, Software Engineering, Thinkful, Online   02/2024

- Acquired comprehensive knowledge of industry best practices and software development standards, focusing on JavaScript, HTML5, CSS3, React Native, Node.js, PostgreSQL, RESTful APIs, algorithms, and data structures.
- Demonstrated growth by successfully developing and launching mobile-first applications, actively engaging with senior web developers in a mentor-student relationship to expand language proficiency and framework expertise.

University of California   Riverside, CA
M.A., Higher Education Administration and Policy   Graduated June 2022
GPA: 3.5

University of California   Riverside, CA
B.A., Education with a Concentration in Learning and Behavioral Studies   Graduated June 2021