

Tim Quattrochi

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Employment

Next Chapter · Python, Django, React, Docker, PostgreSQL

Dec. 2024 to Present

Software Engineering Apprentice

- Developed full stack applications using Django for back-end logic and React for dynamic front-end interfaces.
- Built and optimized RESTful APIs with Django, ensuring smooth communication between front-end and back-end components.
- Containerized applications using Docker to improve development workflows and ensure consistent environments across teams.
- Collaborated in an agile team environment, using Git for version control and participating in code reviews to maintain code quality.
- Enhanced and refactored features based on feedback, contributing to the continuous improvement of applications.

Southern New Hampshire University · JavaScript, Java, Node.js, MySQL, HTML, CSS

Oct. 2022 to Sep. 2024

Software Development Coach

- Tutored students in JavaScript, Node.js, RESTful APIs, and React to ensure successful project completion.
- Built Express.js APIs integrated with React front-ends, highlighting back-end-to-front-end communication.
- Provided one-on-one support via Zoom and Slack to troubleshoot code and teach debugging techniques.
- Led AWS EC2 project deployment using CLI and Linux shell, reinforcing DevOps and cloud fundamentals.
- Facilitated hands-on workshops on responsive web design, focusing on CSS layout strategies and accessibility across devices.

Projects

Mock Interview AI · Next.js, Tailwind CSS, Deepgram, Gemini, PostgreSQL

May. 2024 to Sep. 2024

- Built a full-stack web app for practicing behavioral interviews, allowing users to record answers and receive feedback.
- Integrated Deepgram for real-time speech-to-text transcription and pause detection to analyze delivery and fluency.
- Leveraged Gemini AI to evaluate responses, generate feedback, and provide improvement suggestions tailored to user input.

The N-T Collection · React, Node.js, MongoDB, HTML, CSS

May. 2023 to Sep. 2023

- Created an e-commerce platform prototype with features like shopping carts, wishlists, and product management, simulating retail sales processes.
- Implemented Cloudinary integration to enhance image performance and speed on the website, improving user shopping experiences.
- Developed administrative tools to allow store managers to dynamically update product listings, enhancing sales flexibility.

Education

Columbia Business School

Jan 2024 to Sep. 2024

Software Engineering and Professional Development

- Intensive program covering full stack web development with JavaScript, React, Node.js, Java, MySQL, HTML, and CSS.
- Involved practical training in cloud technologies and scripting, alongside interview preparation.
- Worked on collaborative projects to develop and deploy real-world applications.
- Enhanced skills through professional development workshops focusing on career growth, teamwork, and advanced software engineering techniques.

Kenzie Academy

Apr. 2022 to Dec. 2022

Full Stack Web Development Program

- Intensive full stack web development program covering JavaScript, React, Node.js, Java, MySQL, HTML, CSS, and related technologies.

Skills

Programming Languages, Tools, Runtimes, and Libraries:

- *Advanced* — JavaScript, TypeScript, HTML, CSS, SQL, Git, Node.js, React, Tailwind CSS
- *Intermediate* — Python, Java, C#, Docker, PostgreSQL, Vercel
- *AI ML* — Deepgram, Gemini API, OpenAI (ChatGPT / GPT API), Prompt Engineering

Expertise: Software Engineering, Full Stack Web Development