

Thao Vang

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Summary

Full-stack developer with a strong foundation in scalable web applications, geospatial visualization, and secure backend architecture. Former educator turned engineer, with a documented track record of clear communication, collaborative problem-solving, and delivering performant, user-focused solutions.

Skills

Languages

- TypeScript (TS)
- JavaScript (JS)
- C#
- SQL

Frameworks/Libraries

- Next.js
- .NET Framework
- Tailwind CSS
- React.js

Developer Tools

- Figma
- VS Code
- Microsoft Azure
- Postman

Projects

MatchPoint – Lead / Full-Stack Engineer *Next.js • TypeScript • .NET • MapboxGL*

- Spearheaded the development of *MatchPoint*, a location-based tennis court discovery app built with Next.js, TypeScript, and dynamic imports to deliver Lighthouse scores above 90 across all pages.
- Integrated MapboxGL to visualize court data, enabling 15+ beta users to explore nearby amenities, real-time conditions, and community ratings in a responsive geospatial interface.
- Engineered a secure, scalable backend with .NET and EF Core to support authentication, user-generated content, and data validation—ensuring integrity across 50+ community-submitted court entries.

Business Website Redesign – Frontend Developer *JavaScript • React • Figma*

- Redesigned a local business website by translating high-fidelity Figma prototypes into a responsive React application, elevating visual appeal and user experience for modern audiences.
- Built reusable UI components with JavaScript and Bootstrap, validating mobile responsiveness and layout consistency across browsers using developer tools and manual QA.
- Collaborated in a three-person dev team, managing task distribution and development milestones to deliver the site on time and aligned with stakeholder goals.

Experience

Software Engineer – CodeStack

Jun 2025 – Present

- Engineered interactive data management tools in a browser-based platform using Next.js and TypeScript, streamlining user interaction and content workflows.
- Built and deployed scalable backend services with C# and the .NET framework, implementing secure, efficient API endpoints to support real-time data flow.
- Optimized SQL database operations, refining tables and queries to ensure data integrity, accelerate access, and support evolving application features.

Secondary Physics Teacher – West High School, Chavez High School

Jul 2021 – Aug 2024

- Crafted 100+ dynamic lesson plans using technology-enhanced instruction to foster inquiry-based learning across diverse student populations.
- Collaborated in cross-disciplinary teams to design assessment systems that empowered students to demonstrate understanding through real-world connections.
- Leveraged performance data and analytics to adapt instruction and curriculum pacing, driving improved outcomes across varied learner profiles by 10%.

Education

CodeStack Academy, Stockton CA – *Full-stack Software Engineering Program*

Aug 2024 – Present

University of California, Berkeley, Berkeley, CA – *Bachelor of Arts, Sociology*

May 2017