Jen Mak

Senior UX Engineer · jenmak.dev

PROFESSIONAL SUMMARY

I have a decade of experience in the software industry with a specialization in the front end and design systems space. My focus is on building polished and performant web experiences that are responsive and intuitive to the user. I weigh tradeoffs to come to the right frontend architecture decisions that will benefit the end user and in turn, the company. I have delivered four comprehensive design systems to date, both individually and as part of a collaborative team. I have also worked closely with Design on feature development, quickly bringing designs and wireframes to life.

EDUCATION

New York University, New York, NY — B.S. Computer Science with minors in Media and Communications, Business, 2013

General Assembly, New York, NY —- User Experience Design Intensive.
Won the award for best final project.

SKILLS

React, HTML, CSS, CSS Modules, tailwind, CSS-in-JS, Tamagui, WCAG Accessibility Standards, NextJS for SSR and API development, Contentful, PostgreSQL, Prisma ORM, Auth0, Supabase, Figma, REST, WebSockets, AWS.

EXPERIENCE

Lead Engineer, Freelance — April 2025 — Present

- **Web App Development:** Honed skills as a full stack engineer and user experience designer to create seamless web experiences, working with tRPC for type safe API communication, Node.js, HTTP/HTTPS protocol, RESTful endpoint structure and JSON-based temp store for the backend. On the frontend, React, Zod, tRPC, shadcn/ui, and tailwind are used. Bun and Docker for container management. Examples can be seen on portfolio at jenmak.dev.

Senior UX Engineer, Tangelo, Remote — March 2023 — March 2025

- **Design System Development:** Led the creation of a comprehensive design system using React Aria and React Table under considerable time restraints. Contributed to a mobile-first design system built with Tamagui, a React and React Native starter.

- **Front-End Development**: Built and maintained front-end applications using React, Astro, and NextJS, ensuring high performance and full integration with Contentful so that Product can control templating.

- **Team collaboration:** Worked cross-functionally in a start up environment, including Design, Engineering, and Product, to deliver seamless user experiences.

Senior Front-End Engineer, Unqork, New York, NY — January 2020 — January 2023
- **Design System Development:** Contributed to a best-in-class design system with a team of five engineers, following WCAG accessibility guidelines and standard best practices.

- **Cross-Functional Collaboration:** Collaboration with design and other front-end teams to integrate design system components and create cohesive user experiences.

- **Code Reviews:** Conducted regular code reviews, ensuring code quality and adherence to best practices.

Software Engineer I and II, Grubhub, New York, NY — October 2016 — July 2019
- **Front-End Feature Development:** Developed front-end features including full page redesigns and SSR landing pages in a large team of 15 engineers at a fast pace, using React and AngularJS.

- **Peer Code Reviews**: Actively participated in peer coding reviews to ensure scalable and comprehensible solutions.

- **Style Guide Development**: Created SASS/HTML style guide building blocks that were utilized by multiple applications at Grubhub.

Product Designer, Grubhub, New York, NY — April 2016 — October 2016
- **AB Testing:** Designed features in an AB testing SCRUM environment to enhance user experience and feature performance.

- **Pattern Library Consolidation**: Communicated cross-team to consolidate the pattern library for Grubhub and Seamless brands.

- **Pattern Library Documentation:** Produced documentation that clearly outlines the usage of style guide building blocks, such as color palette, typography, buttons, lines, and more.

- **Style Guide Development**: Created SASS/HTML style guide building blocks that were utilized by multiple applications at Grubhub.

- **Token System Generation**: Generated a token system for the style guide building blocks to ensure consistency and reusability.

UX Designer and Front-End Developer, Thomson Reuters, New York, NY — October 2013 — March 2016
- **Full Stack Development**: Developed full stack applications using Node, AngularJS, SASS, and D3.

- **Rapid Prototyping**: Created rapid application prototypes in a sales support role to demonstrate how customers can maximize the use of a series of 15+ content and analytics-based scientific APIs.

- **User Research**: Conducted user research sessions with customers in the life sciences industry to gather feedback and improve applications.

- **Live Demos**: Presented live app demos during customer visits to highlight application features and benefits.