

Zachary Manning-Brose

Frontend specialist in scalable enterprise applications, reusable component libraries, and UI optimization, with foundational full-stack experience to enhance collaboration and versatility.

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EXPERIENCE

Concord USA, Remote — *Software Consultant/Frontend Developer*

AUG 2022 - DEC 2024

Provided frontend expertise and guidance to clients seeking to expand enterprise applications, create new solutions, and extend functionality through reusable component libraries and UI modernizations.

PROJECTS

Concord Internal — *ContentStack Accelerator*

MAY 2024 - DEC 2024

Led a team to create a UI component library powered by ContentStack's headless CMS solution, enabling businesses to build their own digital experiences. Technologies used include Ladle for component testing built with React, published as an NPM package, and integrated into a Next.js application powered by ContentStack CMS.

Concord Internal — *Expense Report Application*

FEB 2023 - MAY 2024

Developed a full-stack application to streamline Concord's expense reporting flow. Technologies used included React (Next.js), React Hook Forms, a .NET backend, and a PostgreSQL database. Gained hands-on experience with full-stack development practices and debugging, refining development strategies in a small team setting.

Patterson Dental — *Patterson UI Component Library*

AUG 2023 - FEB 2023

Created and implemented a UI component library to standardize and modernize the user experience across Patterson products. Utilized Kendo UI Angular components and documented the process using Storybook, streamlining future development efforts. Technologies included Angular, Nx, Kendo Angular UI, and Storybook.

Roche — *SPUR Frontend Development*

APR 2023 - AUG 2023

Performed as the frontend developer on Roche's SPUR sample screening instrument, programming instrument UI functionality and styling using Angular and SCSS. Created, maintained, and optimized frontend features critical to the instrument's operation.

Concord Internal — *Vue.js Starter Application*

JAN 2023 - APR 2023

Developed a Vue.js application from the ground up as part of Concord's internal tools initiative, enhancing familiarity with the framework while providing a foundational starting point for client-facing projects. Key features included

robust state management with Pinia, seamless RESTful API integration, TypeScript implementation, and the utilization of PrimeVue components to deliver a scalable and efficient solution.

Roche — ASIS Frontend Development

DEC 2022 - JAN 2023

Revamped the user interface of Roche's Advanced Instrument Staining Simulator. Implemented the Angular framework and One Web Components for a smoother, more accessible user experience. Delivered API services for ongoing data implementation and scalability.

Concord Internal — Timesheet Application

AUG 2022 - DEC 2022

Served as a full-stack developer to build an internal timesheet submission application. Updated the UI using React, integrated with the Salesforce API, to provide a more streamlined user experience. Technologies included React, Java/Spring Boot, and PostgreSQL.

EDUCATION

General Assembly, Remote — Certificate of Completion

JAN 2022 - APR 2022

Completed a 12-week full-time (60+ hours/week) immersive full-stack software engineering bootcamp, focused on web development concepts, practical use cases, and industry best practices.

McNally Smith College of Music, St. Paul, MN — B.A. Guitar Performance

SEP 2011 - JUN 2015

Earned a Bachelor of Arts with an emphasis on guitar performance and music. Participated in a 4-month study abroad program in Chennai, India. Developed creative problem-solving, collaboration, and self-motivation skills for success.

TECHNICAL SKILLS

Frontend: JavaScript, TypeScript

Backend: Java, Python, C#, Node.js

Frameworks/Libraries: React, Angular, Vue, Next.js, Express, SpringBoot, .Net

Styling: CSS, SCSS, Tailwind

Testing: React Testing Library, Jest

CMS: ContentStack

Version Control: Git

Tools: Nx Workspaces, Storybook, Ladle

AI: ChatGPT, Co-Pilot, Github Co-Pilot, Gemini

UI Libraries: Kendo UI, Material UI

Project Management: Jira, Agile/SCRUM

CI/CD: BitBucket Pipelines