

Tyler Berbert

Senior Full Stack Software Engineer

5 years of experience in full-stack software engineering. Proficient at project planning and estimation, clear communication and documentation of technical details, and mentoring new engineers.

Email: tyler.berbert@gmail.com | **Phone:** (925) 695-6203 | **Github:** github.com/tylerb1

Website / Portfolio: tylerberbert.com | **Location:** Madison, WI

Work Experience

TrueCar - Software Engineer III

August 2022 - April 2023

Built and maintained features for TrueCar Plus, an all-online car buying system, using Ruby, React, GraphQL, and PostgreSQL. Co-architected and built the MVP of an abstraction called the Deal Sheet to serve as a unified “source of truth” in the backend and database for up-to-date information on all deals. Created a Gross Monthly Income calculator to help car buyers more easily move through TrueCar’s credit application system.

Comity - Full-Stack Software Engineer

October 2021 - June 2022

Built, maintained, and refactored Comity’s core product using Kotlin, React Native, and PostgreSQL. Used Retool to streamline workflows for the operations team. Built member onboarding screens in React Native and API endpoints in Kotlin to let members sign up for tax prep with Comity. Refactored major sections of the backend and frontend to let members add external bank account information not linked with Plaid.

Harmonize Health - Full-Stack Software Engineer

April 2020 - July 2021

Developed infrastructure in the Harmonize backend (Typescript, NestJS) and UI features in the Harmonize Portal frontend (React). Collaborated extensively with product and design teams on technical project management. Built database infrastructure and user interface components for the Patient Risk Score, a metric that gives context to alert severity using patients’ medical histories. Added real-time pulse oximeter monitoring in the Harmonize Portal using Amazon IoT and InfluxDb data.

Yup - Full-Stack Software Engineer

August 2018 - April 2020

Developed functionality for the Yup Tutor Dashboard and other Yup frontend applications using Vue.js, Typescript, Ruby on Rails, and PostgreSQL. Created a standalone Vue web app, the Family Portal, where users can view student progress, edit account details, and access customer support. Made the tutoring whiteboard work in real time using Pusher and Konva. Co-created and maintained an npm package of Yup-specific UI components with full unit testing coverage in Jest.

Education

Stanford University - Bachelor of Science in Symbolic Systems (Computer science & psychology), June 2017

Skills

JavaScript (Typescript, Node.js, NestJS, React, React Native, Vue, Jest) - CSS (SASS, Less, Tailwind) - SQL (PostgreSQL, MySQL) - GraphQL - Kotlin - Ruby (Rails) - HTML5 - Git - Bash - Python - Swift - Java - C++ - C# - AWS - Docker - Project management - Agile methodologies - Sketch - Figma - JIRA - Public speaking - Tutoring - Spanish (fluent) - Use of LLMs, Github Copilot, and other artificial intelligence & machine learning tools to multiply productivity