

Oak Cooper

Senior Frontend Engineer | Vue · Angular | Remote
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Summary

Senior frontend engineer focused on large-scale Vue applications. Spent four-plus years on a ~300-component app — building product features, co-leading its Vue 3 migration, and rebuilding the deployment and observability infrastructure underneath it. Along the way I set the team's approach to AI-assisted engineering — driving Claude Code adoption and building LLM review into the pipeline — plus the judgment to know when to lean on it and when to override it. Feature or platform work, hand me an unfamiliar codebase and a loosely-defined problem and I turn it into shipped, tested, monitored code.

Experience

ACV Auctions — ACV MAX

Senior Software Engineer, Frontend · Remote · Feb 2022 – Jul 2026

- **Migrated the frontend deployment pipeline** off Vercel and GitHub Actions onto AWS and Jenkins, rebuilding branch previews from scratch — saving ~\$80K/yr.
- **Built an itemized reconditioning workflow** for vehicle appraisals — replaced lump-sum entry with editable, GraphQL-backed line items.
- **Authored an error-handling and logging standard** adopted across services in multiple languages and teams.
- **Built role-based navigation** for the enterprise multi-dealer product — access-gated menus and a group dashboard driven by role and feature flags.
- **Co-led the Vue 2 → Vue 3 / Vuetify 3 migration** of a ~300-component application — clearing the Vuetify breakages that were the migration's biggest blocker.
- **Migrated state management from a hand-rolled GraphQL client to Pinia**, centralizing data-fetching and state across a ~300-component app during the Vue 2 to 3 migration.
- **Built frontend browser observability from scratch, twice** — New Relic, then Datadog RUM — adding anomaly detection to catch silent failures that threshold alerts miss.
- **Cut local test-suite runtime in half and memory use by 66%** — then encoded the fixes into an automated pre-PR review step.
- **Engineered the guardrails that keep AI-generated code trustworthy** — codified the conventions Claude Code follows, so its speed never costs the team quality or consistency.
- **Ran coding and systems-design interviews** as the team scaled across the US and India.

Hudson MX

Lead Frontend Developer · Remote · Feb 2020 – Feb 2022

- Led a small frontend team owning six Angular apps and one React app for an ad-tech platform.
- Introduced an Nx monorepo with a microfrontend architecture, and managed a private npm registry of shared UI components consumed by 30+ apps and microfrontends across the company.
- Established a UI design system on Storybook in partnership with the UX team.

Dick's Sporting Goods (Blue Sombrero)

Lead Developer · Atlanta, GA · Aug 2017 – Sept 2019

- Led the frontend architectural redesign of the flagship registration product (web + mobile) in TypeScript/Angular — devised a microfrontend strategy using Angular Elements and maintained a shared component library used across product lines.
- Upgraded the flagship Angular 4 application through version 8, including AoT support.
- Introduced Jest and Cypress for unit/integration/e2e testing; established mandatory PR and pre-merge build/lint/test checks.
- Regularly partnered with the UX team to build more reusable, responsive components.

Earlier Experience (2001 – 2020)

- **Rockwater Technology, LLC** — Sr. Angular Architect, contract (Dec 2019 – Jan 2020): Angular 4→8 upgrade, NgRx (Redux), RxJS.
- **Preparis, Inc.** — Sr. Software Engineer (Apr 2016 – Aug 2017): led the frontend redesign of the flagship portal (AngularJS) and built a hybrid mobile app (Ionic).
- **Morneau Shepell** — Sr. Software Engineer / Technical Lead (2013–2016): tech lead for 14 developers on a healthcare SaaS platform (ASP.NET, Angular.js).
- **Prior roles (2001–2013):** Sr. Systems Engineer at Kabbage (WCF→REST migration, first native Android app); consultant at HotDocs; co-founder/developer at Centrafuse; Software Engineer II at FNC.

Skills

Frontend: Vue 2/3, Vuetify, Angular, NgRx (Redux), TypeScript, GraphQL, Pinia, React

Backend: Node.js, NestJS

Build & CI/CD: Jenkins, Docker, Vite, GitHub Actions, AWS (S3, CloudFront, Lambda)

Observability: Datadog (RUM, monitors, sourcemaps), New Relic

AI-assisted engineering: Claude Code, custom skill/plugin development, AI-forward workflows

Testing: Vitest, Jest, Cypress, Storybook, Chromatic

Education

Bachelor of Business Administration, Management Information Systems

University of Mississippi