

Peter T Bosse II *PO Box 321, Canaan, NH • 603-707-4622 • peter@ptb.dev • github.com/ptb*

Staff frontend engineer with decades of experience building and modernizing web applications using React and TypeScript. Proven track record leading large-scale migrations, improving performance and reliability, and solving complex UI and data flow challenges. Strong focus on accessibility, maintainability, and delivering real-world user value.

Staff Frontend Engineer

rebuyengine.com

Rebuy Engine • Salt Lake City, UT (Remote)

Jan 2025 to present

- Architected and led development of Checkout and Beyond, a composable, sections-based system for building dynamic checkout experiences across thousands of merchants' Shopify storefronts.
- Transformed checkout from feature-level work into a reusable, system-driven architecture, reducing one-off implementations and improving consistency, maintainability, and extensibility.
- Built strongly typed, schema-driven models using Zod and reusable UI primitives enabling reliable, dynamic composition across all Shopify surfaces from the checkout page and beyond.
- Served as a cross-team technical leader through code reviews, mentorship, UI/UX Guild leadership, and shared architectural direction raising standards across the organization.
- Mentored engineers through hands-on guidance, improving code quality and team velocity.
- Led debugging and resolution of complex production issues across systems to restore stability.
- Contributed to hiring and team growth through technical interviews and calibration discussions.
- Developed and integrated local and cloud AI workflows into development processes using personal knowledge systems to improve problem solving, context retention, and iteration speed.

Senior Frontend Engineer

hivebrite.com

Hivebrite • Paris, France (Remote)

May 2020 to Mar 2024

- Developed core features and design system components for white-labeled communities platform.
- Led modernization effort from JavaScript to TypeScript, jQuery to React, and REST API to GraphQL.
- Resolved bugs, improving CI/CD coverage with unit, component, and E2E tests with Jest/Playwright.
- Refactored OAuth authentication process using Zustand in React Native for iOS and Android apps.
- Mentored engineers through code review, reducing turnaround from days and weeks to minutes.

Senior Frontend Engineer

minibardelivery.com

Minibar Delivery • New York, NY (Remote)

Oct 2018 to May 2020

- Led a remote team to migrate a legacy Ruby on Rails e-commerce app to React/Redux with Next.js.
- Developed a novel CSS-in-JS styling tool with Babel macro support for Webpack, Vite, and Tailwind.
- Re-launched modernized, performant app to production without downtime during a pandemic.
- Enhanced site performance, enabling expansion to 200 cities, handling double the traffic and sales.
- Improved accessibility and SEO, creating a maintainable, modern, and well-tested codebase.

Independent Home Builder

ptb.dev

The Bosse Family • Grafton, NH

Mar 2010 to Oct 2018

- Designed and personally constructed a super-insulated three-story home as a stay-at-home parent.
- Project management as general contractor, starting from raw forested land to the finished details.
- Connected the rural neighborhood to fiber internet with long-range point-to-point wireless links.
- Self-taught and performed the majority of the electrical, plumbing, septic, masonry, and framing work.

Ruby on Rails Developer

training.apple.com

Apple, Inc. • Cupertino, CA

Oct 2005 to Jul 2008

- Developed Apple's first public Ruby on Rails app: a tool to locate training centers worldwide.
- Implemented workflow for ingesting third-party events for search via a calendar and Google Maps.
- Managed a team overseeing hardware and software at seven training classrooms in the U.S.
- Maintained the departmental data center, providing servers and support for in-house developers.