

PATTI PERLOCK

SUMMARY

Frontend Software Engineer with 5 years of experience designing and delivering large-scale React and Next.js applications in production environments. I focus on building reliable, performant user interfaces for critical user flows, and I enjoy solving complex frontend problems that balance architecture, usability, and long-term maintainability.

AT A GLANCE

- Leads development of complex, customer-facing frontend features and critical user flows in large-scale React and Next.js applications.
- Drives frontend architecture decisions that simplify state management, reduce unnecessary re-renders, and improve application reliability.
- Designs predictable data and state flows using React Query and custom hooks, improving testability, analytics accuracy, and confidence in production behavior.
- Owns features end to end in Agile delivery environments, collaborating closely with design, product, QA, and backend teams from planning through release.
- Contributes to developer workflows and deployment pipelines, ensuring reliable end-to-end delivery from local development through production.
- Provides guidance through code reviews, architecture discussions, and mentorship to establish clear, maintainable frontend patterns.

EXPERIENCE

Acro Commerce - Software Engineer | Kelowna, BC (Remote)

July 2021 - Present

Key Project: *Telus/Koodo Headless Commerce Migration*

- Migrated Koodo's headless commerce platform from Drupal to React, integrating Node.js backend and Contentful CMS, improving frontend maintainability and team velocity.
- Redesigned authentication using Next.js middleware, creating a unified session management system that simplified local setup and ensured secure, consistent access.
- Consolidated multiple API calls into a single React Query source, eliminating race conditions, restoring analytics accuracy, and improving reliability across Commerce and Self-Serve platforms.
- Built lightweight feature flag tooling for local and staging environments, enabling safer testing of long-running features and reducing rollout bugs.
- Automated local "production-like" workflows with real secrets and endpoints, cutting debugging and onboarding time from ~1 hour to seconds.
- Selected for high-priority homepage rebrand: led refinements, identified reusable components, and mentored developers, delivering the project one week ahead of schedule.

Additional Production Projects

- Maintained and improved Telus's e-Verification System (eVS), enhancing customer account upgrade flows using multiple React frontends and Drupal / Contentful backend integration.
- Evaluated AI models for automated document verification, delivering actionable recommendations that supported production rollout and future optimizations.
- Delivered a production Shopify storefront with custom product architecture, ensuring inventory consistency and single source of truth.

CONTACT

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[LinkedIn](#)

SKILLS

Core

- JavaScript (ES6+)
- TypeScript
- React
- Next.js (SSR/SSG)
- React Query
- Custom Hooks
- React Router
- HTML5
- CSS / SASS
- Styled Components
- Storybook
- Jest

Advanced

- Redux / Redux Toolkit
- Node.js / Express
- Authentication & Session Management
- Git & GitHub
- Webpack
- Package Managers
- Feature Flags
- Contentful
- MySQL
- Analytics
- Accessibility (A11y)

Supporting

- MUI / Figma
- Cypress / Playwright / Vitest
- Monorepos
- Vite
- Drupal
- Shopify
- MongoDB

EDUCATION

Web Development Diploma
BrainStation

Master of Science, Geophysics
University of Western Ontario

Bachelor of Science, Geophysics
University of Western Ontario