

# PATTI PERLOCK

## SUMMARY

Frontend Software Engineer with 5 years of experience building large-scale React and Next.js applications. Focused on frontend architecture, state management, and designing reliable, high-performance user experiences across complex, API-driven systems.

## AT A GLANCE

- Builds complex, customer-facing features and critical flows in large-scale React and Next.js applications.
- Drives frontend architecture decisions that simplify state management, reduce re-renders, and improve application reliability.
- Translates complex product designs into accessible, performant UI components while contributing to and implementing shared design system patterns.
- Designs predictable data and state flows with modern React patterns, improving testability and production reliability.
- Fosters productive collaboration through mentoring, code reviews, and supporting teammates while maintaining a positive, curiosity-driven team culture.
- Owns features end to end in Agile delivery environments, collaborating closely with design, product, QA, and backend teams from planning through release.
- Rapidly adapts to unfamiliar technologies and legacy systems, leveraging modern tooling and AI-assisted development to quickly contribute reliable production code.

## EXPERIENCE

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

July 2021 - Present

#### Telus/Koodo Headless Commerce Migration

- Migrated Koodo's e-commerce storefront from a Drupal monolith to a headless, composable commerce architecture with a React and Next.js API-driven frontend, Node.js services, and a decoupled Contentful CMS.
- Implemented and contributed to Koodo and Telus design systems, collaborating with external design system teams to translate complex designs into reusable React components and consistent UI patterns across storefronts.
- Redesigned authentication and session management using Next.js middleware, creating a unified authentication layer that simplified local development and improved request handling.
- Consolidated multiple API integrations into a centralized React Query data layer, establishing predictable data and caching patterns that eliminated race conditions and stabilized critical commerce flows used by thousands of daily users.
- Built automated unit and integration tests using Jest and React Testing Library, increasing confidence in high-risk commerce flows and reducing regression bugs during releases.
- Improved developer workflows with feature flag tooling and automated production-like local environments, reducing rollout bugs and time spent on onboarding and debugging.
- Selected for a high-priority homepage rebrand, leading refinement and mentoring developers to deliver one week ahead of schedule.
- Contributed to frontend architecture decisions including data flow design, state management patterns, and component system structure across large React applications.

## CONTACT

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## 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
- Analytics
- Accessibility (A11y)

### Supporting

- Figma
- GCP
- Cypress / Playwright / Vitest
- Monorepos
- Vite
- Drupal
- Shopify
- MySQL
- MUI

## EDUCATION

### Web Development Diploma

BrainStation

### Master of Science, Geophysics

University of Western Ontario

### Bachelor of Science, Geophysics

University of Western Ontario

### ***Telus E-Verification System (EVS)***

- Enhancing Telus's e-Verification System, improving account upgrade flows across React frontends integrated with Drupal and Contentful.
- Developing custom Drupal modules to manage backend data flows, document verification processes, customer/association records, and offer management logic across multiple integrated systems.
- Leveraging agentic AI development tools to accelerate feature delivery and quickly gain proficiency in the Drupal ecosystem while contributing to production systems.
- Researched and evaluated AI models and prompt engineering strategies for document verification, analyzing accuracy, performance, and reliability, and presented recommendations to stakeholders and clients to guide production rollout.
- Developed an AI-powered auditing system for POE documents, integrating automated scoring into the backend verification platform with both real-time and queued processing workflows.
- Enabled administrators to validate and compare AI-generated scores against manual approvals using searchable and exportable metrics, improving verification reliability and reducing manual review effort.