

KRISHNA PRADHAN

TECHNICAL LEAD | SENIOR FRONTEND / FULL-STACK ENGINEER | REACT & NEXT.JS

Brentwood, TN | 909-772-2660 | kpaccess@gmail.com | krishnapradhan.com

PROFESSIONAL SUMMARY

Hands-on technical leader with 20+ years in UI engineering, including approximately 10 years with React and 5 years with Next.js.

Experienced in designing and delivering scalable, accessible, customer-facing and enterprise applications across retail, telecommunications, banking, and technology. Combines deep frontend expertise with architecture documentation, code reviews, cross-functional delivery, offshore collaboration, CI/CD, cloud deployment, and AI-assisted engineering. Strong record of translating business requirements into maintainable solutions while remaining actively involved in coding and technical problem-solving.

CORE EXPERTISE

Frontend Architecture	React, Next.js, TypeScript, JavaScript, SSR/CSR, micro-frontends, reusable component systems
Leadership & Delivery	Technical design, code reviews, mentoring, offshore coordination, stakeholder communication, Agile delivery
Data & Integration	GraphQL/Apollo, REST, tRPC, Redux Toolkit, Redux Saga, Redis, Prisma, PostgreSQL, Firebase
Quality & Platforms	WCAG/Section 508, Playwright, Cypress, Jest, Docker, ArgoCD, OpenShift, AWS, GCP, CI/CD, AI coding tools

PROFESSIONAL EXPERIENCE

Technical Lead - TractorSupply.com

May 2025 - Present

Tata Consultancy Services (TCS) | Brentwood, TN

- Lead frontend delivery for a large U.S. retail e-commerce platform serving 20M+ monthly visitors, contributing hands-on code while guiding solution design, technical documentation, code quality, and implementation across a distributed team of 12 engineers.
- Design and deliver scalable React/Next.js features for product listing and shopping experiences, improving page load/Core Web Vitals by 25% through GraphQL services, Redis-backed data, and enterprise UI components.
- Create design documents and review implementation approaches to clarify architecture, workflows, dependencies, risks, and tradeoffs before development.
- Conduct code reviews, troubleshoot production and integration issues, and improve performance, responsiveness, browser compatibility, and maintainability.
- Coordinate with product, design, QA, onshore stakeholders, and offshore engineers to align scope, resolve blockers, and support predictable delivery.
- Use GitHub Copilot, Cursor, and Codex CLI to analyze large codebases, accelerate implementation, and improve debugging while retaining human review and engineering standards.

Technology: React, Next.js, TypeScript, GraphQL, Redis, MUI, GitHub, GitHub Copilot, Cursor, Codex CLI, Agile

Senior React / Next.js Developer

May 2023 - Feb 2025

Bell Canada | Toronto, Canada

- Built B2B customer-service applications with Next.js and TypeScript used by 5,000+ business customers, integrating Go services through GraphQL/Apollo and type-safe APIs using tRPC, Prisma, and PostgreSQL.
- Delivered reusable, responsive interfaces and optimized React behavior using hooks, memoization, component composition, and maintainable state-management patterns, cutting redundant re-renders and improving load time by 30%.
- Implemented unit and end-to-end coverage with React Testing Library and Playwright and supported deployments across development, UAT, and production.
- Ensured WCAG AA accessibility through semantic structure, accessible forms and links, keyboard support, alternative text, and scalable typography.

Technology: Next.js, React, TypeScript, Tailwind CSS, GraphQL/Apollo, Go, tRPC, Prisma, PostgreSQL, Docker, AWS, ArgoCD, Playwright

Senior React / Next.js Developer

Jun 2021 - Feb 2023

TELUS Mobility | Toronto, Canada

- Maintained and enhanced multiple digital applications serving 9M+ customers, covering login, profile, smart-home security, role management, billing address, self-registration, and accessory financing.
- Implemented Figma designs as responsive, accessible interfaces and managed global state and asynchronous workflows with Redux and Redux Saga.
- Built Node.js mock APIs and contributed to an internal Backend-for-Frontend library while supporting staging and production releases.
- Delivered WCAG AAA-oriented improvements and worked with AWS, GCP, and Red Hat OpenShift deployment environments.

Technology: React, Next.js, TypeScript/JavaScript, Redux Saga, Node.js, Express, Styled Components, Jest, React Testing Library, AWS, GCP, OpenShift

Senior React Developer

Jan 2018 - Jun 2021

Freedom Mobile | Toronto, Canada

- Revamped e-commerce and account experiences using React, Redux Saga, Styled Components, Material UI, and reusable Storybook components.
- Created responsive product filtering, device listing, and detail experiences from Figma designs and added automated component tests.
- Built React Native screens supporting iOS and Android and maintained accessibility across customer-facing pages.

Technology: React, Redux Saga, React Router, React Native, Styled Components, Material UI, Storybook, Jest, React Testing Library

EARLIER EXPERIENCE

UI React Developer | Morneau Shepell | 2017 - Built an IBM Watson-powered digital HR assistant using React, Redux Saga, Node.js, and accessible UI patterns.

UI React Developer | Scotiabank | 2016-2017 - Developed responsive option-trading interfaces and reusable React components with Redux Thunk.

Front End Developer | Bell Canada | 2016 - Delivered responsive enhancements and WCAG AA fixes for bell.ca.

Front End Developer | IBM | 2015-2016 - Contributed to responsive web programs for BMO, J. J. Keller, and Hasbro using Jekyll, JavaScript, CSS, and WebSphere Commerce.

Front End Developer | FICO, McAfee, BlackArrow, Cisco, Obopay, AT&T | 2008-2014 - Built and maintained enterprise, financial, security, advertising, networking, payments, and telecom web interfaces with strong cross-browser and Section 508 experience.

SELECTED PROJECTS

BurpeePacer - Full-Stack Fitness Platform

Personal Product |

- Built a Next.js web application and native SwiftUI iOS experience for structured burpee workouts, live timers, user profiles, progress tracking, subscriptions, and automated engagement.
- Integrated Firebase Auth, Firestore, Storage, Stripe Checkout/Webhooks, n8n workflows, Resend, Playwright, and Firebase Emulators.

Technology: Next.js, React, TypeScript, SwiftUI, Firebase, Stripe, n8n, Playwright

ChainHabit - iOS Habit Tracker

Personal Product |

- Designed, developed, and published a native SwiftUI habit-tracking app, managing the product lifecycle from implementation and notifications through App Store release and optimization.

Technology: SwiftUI, StoreKit, local notifications, App Store Connect

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

AWS Cloud Practitioner Essentials (2025) | Claude Code in Action (2026) | Introduction to Claude Coworker (2026) | Brainbench CSS 2.0