

Beto Carlos

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[LinkedIn](#) | [Github](#) | [Website](#)

Summary:

I'm a senior full-stack engineer and tech lead with more than 10 years of experience building and scaling platforms used by over 100,000 people. I specialize in both frontend work, mainly with React and Vue, and backend and cloud architecture on AWS. My experience covers edge-based authentication and distributed system design, all focused on creating products that are fast, reliable, and scalable. I focus on practical solutions that keep users happy, move the business forward, and make things easier for engineers. I enjoy helping teams deliver great results quickly and efficiently.

Technical Skills:

Languages: JavaScript, TypeScript, SQL, HTML, CSS.

Technologies: React, Vue, Next.js, Nuxt, Node.js, GraphQL, PostgreSQL, Redis, AWS (Lambda, CloudFront, S3), Vite, Tailwind CSS, TanStack Query, Playwright, Vitest, Git.

Other: System design, frontend architecture, backend-for-frontend (BFF), micro-frontends, edge computing, CI/CD, DevOps, REST APIs, caching strategies, cloud architecture.

Professional Experience:

The Church of Jesus Christ of Latter-day Saints

Oct 2023 – Present

Senior Software Engineer 3 | Dev Lead

- Led a team of 6 engineers in architecting and developing a full-stack application used by thousands of users, taking ownership of every phase: UX design, frontend development, backend engineering, and DevOps. Oversaw technical direction, collaboration, and delivery to ensure a robust, user-centric product.
- Built an authentication system that blocks unauthenticated users at the CDN edge, keeping static assets fast and cacheable while protecting the S3 origin. Designed a two-step flow using CloudFront Functions for lightweight request filtering and Lambda@Edge for session validation, so only HTML pages require full authentication. This approach enabled other teams to work independently on the frontend, accelerating development and simplifying integration.

Senior Software Engineer (Contract)

- Developed a proof-of-concept web application demonstrating robust micro-frontend architecture using Module Federation, delivering within a three-week timeframe and leveraging TypeScript, React, Vite, and Tailwind CSS.
- Implemented a comprehensive design system, creating 50+ Figma components and React elements adopted across 5+ projects, enhancing UI consistency and development efficiency.

ShopHero

May 2021 – Oct 2024

Lead Software Engineer

- Led a 4-person team to rebuild a grocery e-commerce platform serving 100,000+ users, modernizing tech stack with TypeScript (Nuxt/Vue) and Node.js on AWS, increasing update frequency by 95%, and enhancing UI.
- Implemented a hybrid mobile app using Capacitor and TypeScript (Nuxt/Vue), achieving 80% faster feature parity with the web platform, writing 60% of code, and enabling a shared codebase across mobile and web.
- Automated mobile app deployment using bash and JavaScript on Codemagic CI/CD, reducing deployment time by 90% through a streamlined build process, app signing, and asset generation.
- Implemented backend-for-frontend with Node.js and Nuxt, creating REST API endpoints with caching mechanisms, reducing 1000+ lines of code, and improving site load speed by 20%.

- Mentored 3+ engineers on coding standards, leading 20+ code reviews monthly, resulting in a 30% reduction in support tickets and improved team productivity.

The Church of Jesus Christ of Latter-day Saints

2019 – 2021

Software Engineer

- Developed key web and mobile features for language learning apps used by 100,000+ users, re-architecting CSS framework with BEM methodology to enhance UX and streamline designer-developer collaboration. Built with React, Angular, TypeScript, and Ionic.
- Optimized CI/CD pipeline and implemented Fastlane automation on CircleCI, reducing deployment build times by 40% and streamlining app delivery process.

ShopHero

2017 – 2019

Software Engineer

- Redesigned core product mobile app UI, doubling customer base through improved accessibility and user-friendliness. Implemented using HTML, CSS, JavaScript, and later Vue.js.
- Designed and developed multiple e-commerce apps using JavaScript (Vue) and PHP, increasing product sales by 20%.
- Revamped the company's email presence by designing and coding all transactional emails using HTML and CSS, decreasing bounce rate by 35% and enhancing brand consistency.

VASA Fitness

2016 – 2017

Web/Email Developer

- Managed and optimized email marketing campaigns, increasing ROI by 80% through personalized content, segmentation, and enhanced automation.
- Designed visually engaging email campaigns with responsive HTML/CSS templates, boosting open rates by 60% and increasing click-through rates by 75%.

Education:

Computer Science - Full Stack Emphasis
Utah Valley University

A.A.S. Web Design and Development
Utah Valley University

Certificate of Completion - Programmer
Utah Valley University