

# ROBB CHARNOCK

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## SUMMARY

Staff-level Front-End Engineer with 20+ years building accessible, high-performance web apps and design systems. Deep expertise in **React/TypeScript** with **working experience in Angular (modern) and AngularJS (legacy)**, strong UI/UX collaboration, and a track record of translating complex requirements into intuitive, scalable interfaces. Comfortable owning architecture decisions, partnering with product/design/backend, and raising the bar on **performance, accessibility, testing, and developer experience**, including e-commerce style flows and large-data UI.

## CORE COMPETENCIES

- Javascript & Typescript Development
- React / SPA Architecture
- Scalable Front-End Systems
- UI/UX Implementation & Design Systems
- Test-Driven Development & Automation
- Cloud-Native Development (AWS)
- Performance Optimization
- Cross-Team Collaboration
- Continuous Integration / Delivery
- HTML/CSS/SASS/Less

## PROFESSIONAL EXPERIENCE

### Freelance Software Engineer

Remote | Jan 2025 – Present

- Built and shipped **Next.js/React + TypeScript** features from Figma to production; established **design tokens** and a **component library** for consistent UI/UX.
- Integrated with **Python REST APIs** via a typed client layer (Zod parsing), centralized error handling, and JWT flows; collaborated on API contracts to simplify client logic.
- Drove performance and reliability: **code-splitting, memoization, route prefetching, image optimization**, and Lighthouse checks in CI to protect Core Web Vitals.
- Implemented a front-end testing strategy (**Vitest/Jest, React Testing Library, Playwright**) to support frequent, safe releases and reduce regression risk.

### Bamboo Health (formerly PatientPing), Boston, MA

Senior Software Engineer | Oct 2018 – Sep 2019

- Shipped production features in **React + TypeScript**, transforming wireframes into accessible, responsive UI.
- Built **reusable component libraries** adopted across teams; standardized testing and code-review practices to stabilize releases.

Engineering Manager | Sep 2019 – Sep 2024

- **Architected a unified front-end platform** and created and drove a **design system**, improving cross-product consistency and reducing cycle time ~30%.
- Embedded automation-first practices (Jest/RTL in CI/CD, coverage >90%); mentored seniors on performance profiling, accessibility, and scalable UI patterns.
- Partnered with product/design/backend to establish clear acceptance criteria and API boundaries; improved delivery predictability and quality.

## Monotype / MyFonts.com, Woburn, MA

**Principal Software Engineer** | Jun 2016 – Oct 2018

- Led architecture and hands-on development for a major MyFonts.com overhaul.
- Modernized and deprecated legacy libraries.
- Created proof-of-concept implementations for key architecture decisions.

## Nordstrom, Seattle, WA

**Senior Interactive Developer** | Apr 2015 – May 2016

- Built and maintained web features for Nordstrom Rewards.
- Helped transition to React-based micro frontends.
- Mentored junior developers and contributed to shared standards.

## The Garrigan Lyman Group (GLG), Seattle, WA

**Senior Web Developer** | Oct 2013 – Apr 2015

- Delivered AngularJS web applications for clients like T-Mobile.
- Assisted team members on complex technical projects.

## Enprecis, Seattle, WA

**Web Developer** | Jan 2013 – Oct 2013

- Rebuilt primary survey site with responsive design.
- Optimized email delivery infrastructure.

## EDUCATION

BFA in Computer Art, Interactive Programming  
Savannah College of Art and Design

## TECHNOLOGY STACK

**LANGUAGES:** TypeScript, JavaScript (ES6+), HTML, CSS, Kotlin, JVM, C#, perl

**FRONTEND:** React, Next.js, **Angular (competent), AngularJS (legacy)**, Vue, Redux, TanStack Query, Tailwind, Storybook

**UI/UX & A11Y:** Figma handoff, design tokens, WCAG practices, responsive layouts, cross-browser/device support

**PERFORMANCE:** Core Web Vitals, Lighthouse, bundle analysis, code-splitting, memoization, image optimization

**TESTING:** Vitest, Jest, React Testing Library, Playwright, Cypress; CI coverage targets and quality gates

**API & DATA:** REST, JSON, JWT, GraphQL (familiar); PostgreSQL/MySQL (integration)

**BUILD & TOOLING:** Vite, Webpack, Babel, tsc, npm/pnpm, ESLint, Prettier, Git/GitHub

**CLOUD & OPS:** AWS, GCP/Firebase; Docker (dev), CI/CD (GitHub Actions, Jenkins familiar)

**PRACTICES:** Agile/Scrum, code reviews, design reviews, incremental delivery, on-call readiness, e-commerce style flows