

Christian Sheen

Front-End Software Engineer

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Front-End Software Engineer with 5+ years of experience building and shipping production web and mobile applications. I specialize in React, TypeScript, and Node.js. I write clean, maintainable code that solves real problems for real users. My background spans frontend architecture, REST API development, SQL database design and optimization, and mobile-responsive interfaces, with hands-on experience delivering features across the full stack in high-trust, regulated environments. I've led the migration of legacy desktop systems to modern browser-based platforms, built and Dockerized internal tooling, written and optimized stored procedures for large-scale data processing, and contributed to field-use mobile applications for law enforcement where reliability isn't optional.

WORK EXPERIENCE

Software Engineer | Watch Systems LLC | Mandeville, LA (Remote) | 01/2022 – 01/2026

Four-year tenure contributing across the full product lifecycle of Watch Systems' law enforcement software suite, primarily OffenderWatch, a nationwide browser-based offender management platform, and its companion NCIC-integrated legacy desktop application. Worked across frontend (React, JavaScript, PHP), backend (.NET, Python), SQL Server database layer, DevOps (Docker), and mobile, operating under strict CJIS and NCIC security compliance throughout. Participated in daily Scrum, conducted code reviews and PR approvals, and collaborated directly with C-suite stakeholders on the strategic transition from the legacy desktop platform to a production-ready web application. Held CJIS and NCIC security clearances for the full duration of employment.

- Drove the end-to-end production release of OffenderWatch, a browser-based platform replacing a legacy desktop application used by law enforcement agencies nationwide — leading performance optimization, stability testing, QA, and feature development to meet high-trust production requirements.
- Developed and maintained REST API endpoints for OffenderWatch, implementing backend logic that integrates the web platform with the legacy NCIC desktop application and the NCIC national database.
- Maintained and extended the legacy NCIC desktop application, writing and optimizing SQL stored procedures for large-scale data processing and ensuring continued NCIC and CJIS standards compliance across both platforms.
- Built and enhanced the mobile-responsive OffenderWatch field app (PHP), enabling law enforcement officers to access offender records and make quick updates directly from their phones in the field.
- Added an intra-agency communication feature to the mobile field application, improving real-time coordination between officers and agencies operating in the field.
- Designed and built a Dockerized internal email microservice in Python, implemented as a daily cron job that fetches, scrapes, and parses third-party data (BeautifulSoup, Jinja2), compares it against in-house records, and distributes discrepancy reports company-wide via Mailgun.
- Performed ongoing bug fixes, frontend and backend improvements, and performance optimizations across OffenderWatch and the companion desktop application throughout the full four-year engagement.

Technologies: React, JavaScript, TypeScript, PHP, Python, SQL Server (SSMS), .NET, Docker, Cron, Jinja2, BeautifulSoup, Mailgun, Git, NCIC Integration

Junior Software Engineer | Pedra CRM LLC | Miami, FL (Remote) | 01/2020 – 01/2022

Frontend and mobile development for a CRM platform, building production features across the web app and a companion iOS app.

- Built 10+ views for a SwiftUI iOS app with persistent user authentication via session tokens and Apollo as the GraphQL client, delivering full feature parity with the web application on mobile.
- Developed a secure payment processing feature on the web application to handle transactions and store user payment data.
- Worked across 20+ GraphQL query and mutation endpoints, shipping 3 features to production and improving the CRM's pipeline management UX.
- Contributed business logic for core CRM flows, enabling users to create, modify, and delete records across multiple stages of their sales pipeline.

Technologies: React, Next.js, TypeScript, JavaScript, HTML, CSS, SwiftUI, GraphQL, Apollo, Git

Marketing + Operations Consultant | TD LUX | Miami, FL | 11/2018 – 01/2021

Led marketing campaigns, operations, and physical redesign projects across a multi-location restaurant group.

- Collaborated on 1–2 monthly marketing campaigns, driving a 15% increase in online orders during COVID-19.
- Redesigned a restaurant location during peak COVID-19 — produced floor plans and renderings that yielded 20% more usable square footage and enabled a safe dining layout.
- Built a cross-location inventory and maintenance tracking process covering 6 restaurants, eliminating machine downtime through proactive scheduling.

Architectural Assistant | Archimia | Miami, FL | 07/2017 – 07/2018

Produced architectural drawings and renderings for residential and commercial projects.

- Authored 10 photorealistic renders for a residential project, directly informing material and finish selections within budget and client expectations.
- Logged 800+ hours in Revit across 6 projects, seeing 4 through to full completion.
- Applied FBC, IBC, ADA, easement, setback, and FAR standards to ensure code compliance, reducing city approval revisions and improving delivery timelines.

PROJECTS

Job Docket · Full-Stack Web Application · 03/2026 – Present · In Progress

A job-search workflow application that turns messy postings into structured, trackable records. Uses server-side AI (Claude API) to parse postings from URLs or pasted text into validated, editable fields, and to generate tailored resumes and cover letters tied to saved postings with version history. Backed by a Python scraper service (FastAPI + Playwright + BeautifulSoup) for live URL fetching. Includes state unemployment PDF autofill (Georgia, Pro tier) and a mobile-first UI built for real use from a phone. Built as a monorepo with Turborepo and pnpm workspaces.

- AI job posting parser (Claude API) which extracts title, company, location, salary, and requirements from any URL or pasted text into a structured, editable record.
- Application tracker dashboard with status, notes, and follow-up dates built on TanStack Query and TanStack Table.
- Scraper-backed add flow using FastAPI + Playwright + BeautifulSoup to fetch and prefill live postings before saving.
- AI resume and cover letter generation tied to saved postings with versioned draft storage.
- State unemployment PDF autofill support using pdf-lib, mapping user answers into form fields server-side for privacy and consistency.
- Supabase for auth and database; Zod + React Hook Form for validated forms throughout; Radix UI + shadcn/ui component system.

Technologies: Next.js, React, TypeScript, Tailwind CSS, TanStack Query, TanStack Table, Supabase, Anthropic API (Claude), Zod, React Hook Form, Radix UI, shadcn/ui, pdf-lib, FastAPI, Pydantic, Uvicorn, BeautifulSoup, Playwright, Turborepo, pnpm, Git

Poké Market Place · React Native Mobile Application · 01/2026 – 02/2026 · In Progress

A React Native (Expo) e-commerce demo treating Pokémon as tradable assets. Users can browse a marketplace backed by the PokéAPI, add to cart, complete mock purchases, and review order history as a portfolio. Built to practice mobile UI patterns, API data fetching, and state management in a self-contained domain.

- Marketplace browse and detail views powered by PokéAPI with React Native hooks and components.
- Cart, mock purchase flow, and order history presented as an asset portfolio with data visualization.
- Mobile-first UI/UX with Expo and IonIcons; focused on smooth navigation and clean component structure.

Technologies: React Native, TypeScript, Expo, PokéAPI, IonIcons, Git

ArrowVerse · React Presentational Application · 01/2022 · Completed

A take-home project assigned by Watch Systems LLC as part of the interview process. Displays Arrowverse TV show characters and abilities via a public API, demonstrating React component architecture, data fetching, and CSV export.

- Character and ability data rendered from a public API using React hooks and functional components.
- CSV export of the full cast member list built from fetched API data.

- Chakra UI for layout and design; submitted as the technical deliverable for the Watch Systems interview.

Technologies: React, JavaScript, Chakra UI, REST API, CSV Export, Git

BlkSmth.io · Full-Stack Social Media Platform · 01/2021 · Completed

A career-focused social media platform built on the MERN stack. Users create profiles, publish posts, engage in discussion threads, and manage work experience. It is a lightweight LinkedIn-style application built to practice full-stack architecture, JWT auth, and CRUD at scale.

- User authentication system with JWT and secure session handling.
- Full CRUD for profiles, posts, and work experience entries with a dynamic social feed and discussion threads.
- MongoDB for data persistence; Express.js REST API backend; React frontend; deployed end-to-end as a production MERN application.

Technologies: React, Node.js, Express.js, MongoDB, JavaScript, JWT, MERN Stack, Git

EDUCATION + CERTIFICATIONS

Frontend Masters — JavaScript: The Hard Parts

Jan 2026 – Feb 2026 · Callbacks & Higher Order Functions, Closures, Type Coercion & Metaprogramming, JS Event Loop, Classes & Prototypes

Frontend Masters — Complete React v9

Jan 2026 – Feb 2026 · JSX, Hooks, Ecosystem, Advanced Techniques, Testing, React 19, TanStack Query, React Hook Form, React Router

Corporate SQL Training — Lantec (In Office, Louisiana)

Jul 2024 · Advanced Queries & Subqueries, Stored Procedures, Joins, Performance Tuning, Security, Backup & Recovery, Data Warehousing

Full Stack Web Development Bootcamp — Bottega University, Utah (Remote)

Jan 2019 – Jan 2020 · JavaScript, HTML, CSS, Node.js, Express.js, React, Redux, MongoDB

Certificate of Completion — Udemy: Node with React (Full Stack Web Development)

Feb 2021 – Mar 2021 · React Basics, Router, Redux, Jest, Context API, Stripe, GraphQL

Certificate of Completion — Udemy: MERN Stack Front-Back Web Development

Apr 2021 – May 2021 · Routing, Strapi CMS, JWT Auth, HttpOnly Cookies, Deployment (Vercel & Heroku)

Associate of Arts in Architecture — Miami Dade College, Miami, FL

Aug 2012 – Aug 2014 · 70 credit hours · Adv. Design Theory, Arch Structures, Environmental Systems in Architecture

LANGUAGES

English — Native or Bilingual · **Spanish** — Native or Bilingual · **Italian** — Limited Working Proficiency