Mark Dylan Cosca

Senior Full Stack Developer | React, Node.js, AI Agents & Headless Commerce

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SUMMARY

Senior full stack developer with 9+ years of experience, specializing in TypeScript, React and Next.js products backed by Node.js and Python services, PostgreSQL and vector data, and production AI agents built with tool calling, retrieval and evaluations. I've spent 7+ years deep in Shopify, from Liquid themes and custom apps to Hydrogen since its early releases, and led high-traffic work such as Spanx, serving 10M monthly visitors at 99% uptime with Lighthouse performance raised from 0 to 99. I enjoy owning products end to end, from client scoping and codebase architecture to the team standards that keep delivery smooth, and I'm genuinely excited about bringing AI into real products in ways people can trust.

SKILLS

Full Stack: TypeScript, JavaScript (ES6+), React, Next.js (App Router), Remix, Node.js, Express, Fastify, NestJS, Python

AI Engineering: OpenAI, Claude and Vercel AI SDKs, tool-calling agents, RAG, vector databases, structured outputs, evaluations, human approval steps, MCP

Data & Architecture: PostgreSQL, Supabase, MongoDB, MySQL, Redis, multi-tenant and role-based access, microservices, queues and background jobs, WebSockets

Commerce: Shopify Plus, Hydrogen and Oxygen, Liquid, Online Store 2.0, Checkout Extensibility, Functions, custom apps, App Bridge, Polaris, 3PL and multi-warehouse, i18n and multi-currency

Integrations & Growth: REST, GraphQL, webhooks, OAuth/JWT, Stripe, Klaviyo, HubSpot, GoHighLevel, Twilio, Meta Conversions API, server-side tracking, GA4, GTM, A/B testing (Intelligems, Convert)

Performance & Quality: Core Web Vitals, Lighthouse, accessibility (WCAG, Section 508), Jest, Vitest, Playwright, React Testing Library, TDD

Mobile: Kotlin (Android), SwiftUI (iOS), Ionic, Quasar

DevOps & Cloud: Docker, GitHub Actions, CI/CD, AWS/GCP, Vercel, Netlify, Cloudflare Workers and D1, Sentry, logging, monitoring, backups

Leadership & AI Tools: Codebase architecture, technical scoping and estimates, team standards, code review, mentoring, Claude Code, Cursor, GitHub Copilot

EXPERIENCE

Frontend Developer, Form Factory — Sep 2022 – Sep 2026

Full-time · Agency delivering Shopify Plus, headless and custom web builds for global brands

- Led architecture and delivery of high-traffic storefronts and web applications for global brands, scoping work directly with clients and owning it through to production.
- Delivered key Shopify Plus upgrades end to end, including checkout.liquid to Checkout Extensibility, Scripts to Functions, browser pixels to server-side tracking, and Liquid themes to headless Hydrogen builds.
- Built full-stack products and AI agents with Node.js, Python, PostgreSQL and vector search, using tool calling, retrieval, structured outputs and evaluations, with human approval before agents act.
- Drove CRO development and A/B tests that lifted conversion and average order value, and shortened build and deploy times through CI/CD improvements.
- Set coding standards and codebase architecture for the team, reviewed code, mentored developers, and delivered several projects solo from first commit to launch.

Selected client projects

- **Spanx** (global DTC brand, 10M monthly visitors): Re-engineered complex product listings into a faster, simpler experience, raising Lighthouse performance from 0 to 99 and keeping 99% uptime through peak sale traffic.
- **Turtle Beach** (global gaming brand, 5 stores): Brought five stores and their backends into one codebase with localized content, multi-currency pricing and availability per market.
- **Solo Brands** (three brands, one codebase): Designed the shared architecture and component library that lets three brands ship from a single platform.
- **Corza** (B2B surgical and medical-supply platform): Set up the CI/CD pipeline, test coverage, technical documentation and AI-assisted development workflows.

Frontend Developer, MindArc — Oct 2021 – May 2022

Full-time

- Customized existing Shopify themes and built custom Liquid themes, plus fast React and Vue storefronts for global brands.
- Built custom Shopify apps and connected stores to Node.js services and third-party REST APIs.

Software Engineer, Digital Studio / LiveCrossing — Mar 2019 – Oct 2021

Full-time

- Led development of a storefront on a custom e-commerce platform, built with PHP/Laravel and Vue.js.
- Took features from architecture through to release, working on both the frontend and backend.

Web/Mobile Developer, Skubbs Inc — Jul 2018 – Mar 2019

Full-time

- Developed responsive websites and hybrid mobile apps using WordPress, Vue.js, Ionic and Quasar.

Developer, Fullmoon Outdoor — Jul 2017 – Jul 2018

Full-time

- Developed websites and custom WordPress themes with HTML, CSS, JavaScript and PHP, and handled on-site SEO.

SIDE PROJECTS

Creator & Full Stack Developer, DyeDem — Sep 2025 – Present

- Built an artist booking platform with portfolio management and cross-posting tools for marketing.
- Developed on the MERN stack (MongoDB, Express, React, Node.js) with PostgreSQL, a vector database and WebSockets for real-time updates.

Creator & Mobile Developer, Daily Dose: Shift Planner — May 2026 – Present

- Built a productivity app for planning and tracking work shifts, with native Android (Kotlin) and iOS (SwiftUI) clients.
- Runs on a serverless Cloudflare backend (Workers, D1 and the wider platform) for fast, low-cost delivery.

EDUCATION

Bachelor of Science in Information Technology, Informatics College Northgate — Jun 2014 – May 2017

CERTIFICATIONS

Shopify: Shopify Apps Development, Liquid Storefront, Headless at Shopify for Developers

Verified badges: credly.com/users/mark-dylan-cosca