

SHASHWAT TRIPATHI

Frontend Engineer

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SUMMARY

AI-adaptive frontend engineer with **4+ years** shipping production interfaces. Currently building merchant-facing **AI surfaces** at ShopOS: agent workflows, visual workflow authoring and rich chat, across a main app, admin console and a shared design system. Previously **sole frontend engineer** on a four-year contract, delivering **nine production applications** including one that reached **1M+ users**.

EXPERIENCE

Frontend Engineer — ShopOS (Full-time)

Jan 2026 – Present | shopos.ai

AI-native commerce platform, **\$20M raised** from Binny Bansal's 3STATE Ventures. Work spans the main app, the admin console and a shared design-system package.

- **Designed and built Canvas Builder**, the visual authoring tool behind ShopOS's custom client workflows. Non-engineering users compose **runnable workflows** against a client's own catalogue and SKUs, which is how bespoke automations reach enterprise accounts without engineering time.
- Migrated the Enterprise dashboard out of a separate iframe-hosted repository into the main Next.js application, consolidating onto a single auth layer and design system. Removing the cross-origin overhead **improved frontend performance**: measurably faster load time and time to interactive.
- Rebuilt and extended the client review pipeline on top of it, adding approval and decline flows beyond what the iframe version supported. It is now the review surface for **8 major enterprise accounts** including **Celio, Bear House and Holy Drip**.
- Replaced a fragile contenteditable implementation with a Tiptap-based rich chat input supporting slash commands, skill mentions and structured serialisation.
- Shipped an end-to-end Skills Library across the main app and admin console: shared types, API client, and React Query hooks with optimistic updates.

Stack React, TypeScript, Next.js, React Query, Tiptap

Frontend Developer, Web3 — Dehidden (Contract)

Jan 2022 – Dec 2025

Sole frontend engineer for AI and Web3 products: DeFi platforms, NFT minting and blockchain integrations. Delivered for **Coinbase, Polygon and Play AI**.

- **Owned frontend architecture, implementation and delivery across 9 production applications**, working directly with partner engineering teams.
- Engineered a **high-scale NFT minting platform** with **Coinbase and Polygon** that reached **1M+ users** and processed **100K mints in the first 24 hours**, with a **50% increase in user retention** during minting.
- Built **Polygon Copilot**, an OpenAI GPT-powered assistant for Web3 developers in the zkEVM ecosystem, with multi-persona sessions and in-chat minting actions.

Stack React, TypeScript, wagmi, React Query, Tailwind CSS, Framer Motion, Solana

SKILLS

Languages TypeScript, JavaScript, Python, HTML, CSS

Frontend React, Next.js, Tailwind CSS, shadcn/ui, Tiptap, Framer Motion, GSAP, responsive UI

Accessibility ARIA, keyboard navigation, focus management, WCAG AA contrast

State management and data React Query, Zustand, REST, GraphQL, WebSocket

Backend, AI and Web3 Node.js, PostgreSQL, Firebase, OpenAI GPT, Google Gemini, streaming chat, wagmi, Solana

Testing and tooling Playwright, Vitest, Git, Vercel, Sentry, Figma

SIDE PROJECTS

shashwa7.in (2026) — shashwa7.in

Personal site and writing, built to a **100 Lighthouse accessibility score**: ARIA-labelled components, keyboard-navigable menus and sliders, focus trapping in dialogs, WCAG AA contrast. Next.js, TypeScript, Tailwind CSS, MDX

[Mehfil](https://mehfil.shashwa7.in) (2026) — mehfil.shashwa7.in

Web player for golden-era Hindi film music. Six-stage idempotent, resumable pipeline parsing a published PDF songlist into **3,916 songs across 66 stations**, back-filling credits and verifying every YouTube id is embeddable. Next.js, TypeScript, Tailwind CSS, React Query, Python, SQLite

EDUCATION

Bachelor of Computer Applications (BCA) — Amity University, Mumbai | 2018 – 2021 | CGPA 9.7 / 10