SHREYASH TRIPATHI

Full-Stack Developer & UI/UX Engineer · AI-first SEO, AEO & GEO

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PROFESSIONAL SUMMARY

Full-stack developer and UI/UX engineer shipping features on AI-integrated SaaS platforms and marketing sites at a digital product agency, across React, Next.js (App Router), TypeScript, Node.js, Supabase and PostgreSQL. I also make sites findable: on my own site I set up technical SEO, structured data and AI-search (AEO/GEO) signals end to end, getting it indexed and ranking within its first month and recognised by ChatGPT. Author of the Job-Ready Series (12 interview and job-switch books) and 4 technical articles. Based in Noida, originally from Ahmedabad; open to relocation and remote work.

WORK EXPERIENCE

Garage Collective - Noida, India **Feb 2026 - Present**

Junior Developer, UI/UX (promoted from AI Trainee)

- **Finance mobile app:** built and shipped a React Native + Expo Android app for a client-profitability and cash platform for service businesses: role-based home screens, a finance inbox with swipe-to-approve, invoice PDFs and reminders, offline mode, six home-screen widgets, push notifications and security hardening (SSL pinning, secure storage, biometric lock).
- **Startup and investor platform:** led a dashboard UI overhaul and design-system pass, brought investor dashboards to parity with the founder dashboard, redesigned the marketing and campaign landing pages and fixed build-breaking TypeScript errors (Next.js, Tailwind CSS).
- **Agency work-management platform:** redesigned the internal tool end to end on one design system: director and team-lead dashboards, a team capacity board, project and issue views, attendance, dark mode, an email pipeline and tickets; built its CRM landing page with a request-access flow.
- **AI content agent:** built and deployed an agent (OpenAI / Anthropic SDKs) that produces an Instagram post, a LinkedIn post and a blog post daily, cutting manual content effort by roughly 40%.
- **Zero-knowledge vault:** built an internal asset, credential and billing manager end to end (Next.js, Supabase, WebCrypto) with QR asset labels, invoice OCR, multi-currency spend tracking and AES-256-GCM encryption in the browser.
- **SaaS features:** shipped UTM auto-tagging and partner-portal link generation on a multi-tenant affiliate-marketing platform, an analytics dashboard module for a campaign-management platform, and dashboard UI for an AI search-visibility tracker (ChatGPT, Gemini, Claude, Perplexity).
- **Marketing sites:** rebuilt a 45-page K-12 school website with a mobile-layout overhaul fixing horizontal scroll, tap targets and navigation.

SEO, AEO & GEO (AI-FIRST SEARCH) - SHREYASHTRIPATHI.IN

- **Technical SEO:** prerendered a Vite + React SPA at build time so crawlers see full content (134 words to ~18,000 across 16 pages); canonical URLs, sitemap with images, redirects for www and duplicate hosts, strict security headers.
- **Structured data:** JSON-LD graph for Person, ProfilePage, WebSite, Service, Book, BookSeries, CollectionPage and BreadcrumbList; Lighthouse SEO, accessibility and best practices at 100.
- **AEO / GEO:** llms.txt for AI assistants, answer-style FAQ content, and middleware that logs AI crawler visits (GPTBot, ClaudeBot, PerplexityBot) to GA4 via the Measurement Protocol.
- **Search tooling:** Google Search Console, Bing Webmaster Tools, IndexNow and GA4 with lead events; tuned titles from real Search Console queries.
- **Results (first month):** indexed and ranking around position 3 for my name; new book pages earned more search clicks than the home page within 2 weeks; ChatGPT identifies me and links my portfolio.

PROJECTS

Job Portal - Full-Stack Recruitment Platform (solo) **case study**

- Next.js 15 App Router + TypeScript: job search with filters, saved jobs, application tracking, dashboard and employer job posting; 6 REST API routes with bcrypt + JWT auth and an 8-table PostgreSQL schema.

SketchRace - Real-Time Multiplayer Drawing Game (team, backend) **case study**

- Built the Socket.IO game server: rooms, live drawing sync, server-timed rounds, turn rotation and speed-based scoring across 10 real-time event types.

PurrCase - Custom Phone-Case E-Commerce (team, frontend) **case study**

- Next.js 14 + TypeScript storefront and a 3-step case designer with canvas-based cropping; Prisma, PostgreSQL, Kinde auth, Stripe checkout and Resend emails.

Portfolio - shreyashtripathi.in **live**

- Prerendered React + TypeScript site with 4 case studies, a 12-book library with free previews, and strict CSP; mobile Lighthouse performance 30 to 70-80.

PUBLICATIONS

- **Job-Ready Series** (author): 12 interview and job-switch books, about 4,600 pages: DSA (Java, Python, C++), DBMS, OS, Computer Networks, System Design, DevOps, Cloud, AI Engineering, Salesforce and Next.js. shreyashtripathi.in/books
- **4 technical articles on dev.to:** prerendering a Vite app for SEO and speed, a Socket.IO game server, a WebCrypto zero-knowledge vault, and a Next.js 15 job portal. dev.to/shreyashtripathi

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, C++, Python, SQL

Mobile: React Native, Expo (EAS, Router), Android widgets, push notifications

Frontend: React, Next.js (App Router), Vite, HTML, CSS, Tailwind CSS, Radix UI, Framer Motion, GSAP, Responsive Design

Backend & Data: Node.js, Express.js, REST APIs, Socket.IO, PostgreSQL, Supabase, MongoDB, Prisma

AI: OpenAI API, Anthropic Claude SDK, AI content agents, AI coding assistants (Claude Code)

SEO & Analytics: Technical SEO, Schema.org / JSON-LD, Core Web Vitals, Lighthouse, Google Search Console, Bing Webmaster Tools, IndexNow, GA4, llms.txt

Tools & Deployment: Git, GitHub, Vercel, Postman, VS Code

EDUCATION

JECRC University, Jaipur - B.Tech, Computer Science Engineering (CGPA 8.1) **2022 - 2026**

P.P. Savani School, Ankleshwar - Senior Secondary (12th), CBSE · Swami Vivekanand Academy, Ankleshwar - Secondary (10th), CBSE

ACHIEVEMENTS & CERTIFICATIONS

- Top 10 Finalist, Smart India Hackathon (200+ teams)
- Top 10 Finalist, University Ideathon
- Apna College - Alpha (DSA with Java)
- Summer Analytics 2024, Consulting & Analytics Club, IIT Guwahati