

SHREY ALKHANIYA

Senior Software Engineer — Full-Stack Web Engineer (Frontend-focused)

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SUMMARY

Senior Software Engineer, 7 years building fast, accessible, scalable web apps in **advanced JavaScript/TypeScript**, React, and Next.js, with full-stack delivery on Node.js, event-driven AWS, and microservices. Deep on web performance and **browser internals** (Web Vitals, Service Workers, CDNs, progressive rendering) and on **event tracking / user-journey analytics** that drives engagement. Measurable impact — +29% UI interactivity, 40% faster page loads, and a service handling ~10,000 messages/day. Actively building **GenAI/RAG** features and **AI-assisted SDLC** workflows.

SKILLS

Frontend: Advanced JavaScript, TypeScript, React, Next.js (App Router, SSR/RSC), Web Components, Shadow DOM, HTML5, CSS3, SCSS, Tailwind CSS, responsive & accessible UI, Web Vitals, Service Workers, progressive rendering
Backend: Node.js, Express, AWS Lambda, SQS, SNS, Step Functions, Django, REST APIs, microservices, event-driven systems
Languages: TypeScript, JavaScript, Python, SQL
Databases: MongoDB, Mongoose, PostgreSQL
Cloud/DevOps: AWS, Azure Functions, Docker, CDN, Git, GitHub Actions (CI/CD)
Analytics & Testing: event tracking, A/B testing, user-journey analytics; unit / integration / e2e testing; OpenTelemetry, monitoring (Grafana / New Relic / Splunk)
AI/LLM: OpenAI & Anthropic APIs, RAG, pgvector, Vercel AI SDK; agentic AI workflows, AI-assisted SDLC (code/test generation, debugging)

EXPERIENCE

Trajector

Aug 2024 - Present

Senior Software Engineer

Gurugram, India

- Architected and built a full-stack **Message Center** (Next.js, Node.js on AWS Lambda, MongoDB) with **SQS/SNS event-driven** delivery, unifying communications for **3 portals across 3 lines of business** on a single shared database — handling **~10,000 messages/day** for **~6,000 daily users** and saving **~1,000 support man-hours/month**.
- Built customer-facing tools (Payment Center, VA-Benefits Payment Calculator, Appointment Center) in Next.js (SSR) with Tailwind/SCSS, **instrumenting event tracking and user-journey analytics** that guided UX changes and increased page interactivity by **29%** with responsive, accessible UIs.
- Adopted **AI-assisted development** (code generation, test scaffolding, debugging) to raise delivery velocity and code quality across the team.

Jio

Feb 2023 - Jul 2024

Software Engineer II

Bengaluru, India

- Built a Node.js scraper pulling design tokens from the Figma API into a generated, reusable TypeScript module, cutting manual design-to-code sync from ~2 hours/release to near-zero and eliminating drift bugs.
- Replaced a 24/7 EC2 cron with a Python/Django service on Azure timer-triggered Functions, reducing cost **~95%** while delivering reliable weekly digest emails.
- Diagnosed intermittent 504s across a React-to-Node-BFF-to-Django/Azure chain via OpenTelemetry correlation IDs and HTTP keep-alive tuning, cutting the error rate from **1.2% to ~0.02%**.

Paytm Payments Bank

Jun 2019 - Jan 2023

Software Engineer

Noida, India

- Cut P95 page load from **7.1s to 4.3s (40%)** for ~1,500 branch staff on low-bandwidth networks via Brotli compression, HTTP/2, CDN caching, and Service Worker offline support.
- Built an RBI-compliant employee testing platform (Node.js + MongoDB) with immutable attempt records; shipped 5 days early, passed the audit first review, onboarded ~1,500 employees in week one.
- Eliminated production data-loss incidents (**~10/month to 0**) by refactoring Mongoose schemas to atomic operations with optimistic-concurrency versioning.

PROJECTS

AskMyDocs — GenAI / RAG SaaS

TypeScript, Next.js, PostgreSQL/pgvector, Vercel AI SDK

- Retrieval-augmented document Q&A: chunking + batched embeddings in pgvector, per-user vector retrieval, streaming LLM answers with source citations and deterministic fallbacks; auth, Dockerized, GitHub Actions CI/CD.
github.com/shreyalkhaniya97

EDUCATION

B.Tech, Computer Science & Engineering — Graphic Era University, Dehradun