

Harsh Gupta

Full-Stack Software Engineer | React, Next.js, React Native, TypeScript, AWS

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SUMMARY

Full-stack software engineer with 4 years of experience, rooted in frontend and now leading web, mobile, backend, and AWS work. At Beyoung, took over the platform through successive team downsizing and now lead the web team: modernized legacy web and React Native apps to TypeScript and Next.js 16, resolved 200+ security vulnerabilities, cut monthly AWS costs by up to 50%, and sped up delivery 4–5x with spec-driven, AI-assisted development. Also build for group companies Woggles and Lastcode AI, and co-built Plango, a side-project app with 10K+ downloads. Top 5 global contributor on Uiverse.io.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, HTML, CSS, Sass/SCSS, SQL

Frontend: React, Next.js, Tailwind CSS, shadcn/ui, MUI, Storybook, GSAP, Framer Motion

Mobile: React Native, Expo, NativeWind, OTA updates, Capacitor

State & Data: TanStack Query, Zustand, Redux Toolkit, Zod, REST APIs, GraphQL

Backend & CMS: Node.js, Express.js, Hono, MySQL, PostgreSQL (Neon), Supabase, Redis, Drizzle ORM, Strapi, WordPress, WooCommerce

Cloud & DevOps: AWS (Lambda, S3, EC2, CloudFront), Cloudflare, Vercel, GitHub Actions, CI/CD, Turborepo, Docker

Observability & Quality: Sentry, Grafana, test-driven development, automated testing, Core Web Vitals

AI-Assisted Dev: Claude Code, Cursor, Google Antigravity, v0, MCP servers, Agent Skills, OpenSpec, spec-driven development

EXPERIENCE

Software Engineer, Beyoung.in

Nov 2024 – Present

Leadership & Platform

- Joined as a frontend engineer in an 18–20 person tech team; through successive downsizing, took over the platform and now lead the 4-member web team, mentoring interns, across web, mobile, backend, and AWS for a high-traffic e-commerce site (5M+ monthly impressions).
- Migrated legacy JavaScript codebases to TypeScript, upgraded the storefront from Next.js 10 to 16 (Zod, TanStack Query), and rebuilt the OpenCart admin panel in Next.js; reached 90+ PageSpeed scores and cut bundle size by ~15–25%.
- Resolved 200+ npm security vulnerabilities across the website, React Native app, and backend.
- Consolidated storefront, API, cron jobs, and admin into a Turborepo monorepo, introduced Drizzle ORM on MySQL, and replaced manual server deployments with GitHub Actions CI/CD pipelines.
- Made Strapi the central CMS: powered dynamic homepage content for web and mobile, migrated the WordPress blog to Strapi and Next.js (improving security and cutting bandwidth), and replaced a third-party SEO tool.
- Cut monthly AWS spend from ~\$3K to ~\$1.5–2K by moving from in-memory caching to Redis with Next.js caching, redesigning the cloud architecture, and building a Lambda pipeline that serves resized WebP images.
- Built observability where only CPU monitoring existed: added Sentry for application errors and Node process monitoring plus Grafana dashboards, bringing production errors down to near zero.

Mobile (React Native)

- Led modernization of the React Native app: fixed security vulnerabilities, migrated to TypeScript, TanStack Query, and NativeWind to match the web stack, and added automated tests.
- Reduced app size by 10 MB by moving static images and assets to an S3-backed CDN, tree shaking, and removing unused libraries; added over-the-air (OTA) updates via Cloudflare to ship fixes without app store releases.

Group Companies

- Build and ship features for group brands: ongoing development of Woggles.in (D2C eyewear e-commerce) and project work for Lastcode AI, the group's custom software and cloud services company.

AI-Assisted Engineering

- Introduced spec-driven development (OpenSpec) and AI-assisted test-driven development using Claude Code, Cursor, Antigravity, MCP servers, and Agent Skills, increasing feature delivery speed 4–5x; added automated testing to new web, mobile, and backend repositories.

Frontend Developer, Green Apex Infosolutions

Feb 2024 – Nov 2024

- Delivered 3–4 client projects end to end with Next.js and Strapi, including a luxury holidays travel platform, a government portal, and a platform for a US-based emergency-services company.

- Built reusable, CMS-driven components and page sections in Strapi, letting client teams update content, packages, and pages without developer involvement.
- Rebuilt the company’s own website and internal projects on a modern stack, migrating UI from MUI to Tailwind CSS and shadcn/ui, with a shared component library documented in Storybook.
- Turned complex Figma designs into responsive, accessible interfaces with GSAP and Framer Motion animations, using AI-assisted development (v0 and Github Copilot) to ship faster and helping teammates adopt it.

Frontend Developer, Netmagnetic

Sep 2022 – Feb 2024

- Built UI and functional features in React for POS Register, the company’s primary client product (a WooCommerce POS plugin), and HTML/CSS/JS frontends for POS Hub (.NET).
- Refactored ~50,000 lines of legacy CSS into ~10–20K lines of modular Sass (60–80% reduction), making the Register UI easier to maintain and keep consistent.
- Built HTML, CSS, and JavaScript templates for the POS WordPress plugin, and designed product UI in Figma and marketing banners in Canva.
- Redesigned and rebuilt the company’s website and built the website for its new venture, in React and Tailwind CSS with Framer Motion animations; contributed to internal projects.

PROJECTS & RECOGNITION

- **Plango** (side project, team-built): Co-built a safety-first social activity app for iOS and Android with KYC verification, escrow payments, and in-app chat, plus an admin panel; reached 10K+ downloads. Stack: Expo (React Native), Hono, Supabase, Neon, Cloudflare.
- **Uiverse.io**: Ranked Top 5 contributor globally; published 50+ open-source UI components with 600K+ views.

EDUCATION

Bachelor of Technology, LNCT Group of Colleges, Bhopal

2018 – 2022