

ARYAN GARG

Software Engineer

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SUMMARY

Full-stack software engineer with **2+ years** building and shipping production web apps in **React**, **Next.js**, **TypeScript**, **Node.js**, and **PostgreSQL/MongoDB**. Shipped **50+ React screens** at Deloitte and improved API/page performance by **45%**, plus three full-stack products (sub-**30KB** widgets, real-time **PWAs**) — strong across **REST API** design, real-time systems, multi-tenant architecture, and **GenAI** integration.

EXPERIENCE

Software Engineer I

Deloitte Consulting USI

Jan 2024 – Present

Gurugram, Haryana, India

- Delivered **50+ React.js** screens for enterprise consulting engagements, collaborating with **product**, **design**, and backend teams to own work end-to-end from **Figma** to production.
- Engineered **REST APIs** in **Node.js/Express** integrated with **PostgreSQL**, handling authentication, validation, pagination, and error handling, boosting API and page-load speed by **45%**.
- Automated documentation of screen functionalities and **auto-generated prospective UI components** to assist the design team, reducing manual documentation and component-creation effort by **40%**.
- Partnered with **QA** and backend teams to modernize legacy **JSP** apps to **React.js** and resolved **120+ defects** (cutting recurring issues by **30%**); shipped **Re-usable** components for Global Application use.
- Wrote unit and integration tests with **Vitest**, **Jest**, and **React Testing Library** (**80%+** coverage), and instrumented **Sentry** and **Datadog** for error tracking and monitoring.
- Grew into a technical lead role — driving architecture decisions, leading sprint planning for a **10-member Agile** team, reviewing **100+ PRs**, and mentoring **1–3 junior engineers**.

PROJECTS

Feedforward — Embeddable Customer-Feedback Platform

Live Link

- Developed a sub-**30KB** embeddable feedback widget (**Preact/Vite**, closed **Shadow DOM**) with a 2-trust-domain security model — **HMAC**-signed tokens, **Redis** nonce replay-protection, **Clerk** authentication, and **Stripe** billing.
- Built a live **React 19/SSE** dashboard streaming real-time feedback, backed by **3 AI integration patterns**: asynchronous **BullMQ** batching, on-demand sync, and scheduled anomaly detection over **PostgreSQL/Drizzle ORM**.
- Achieved **95+ Lighthouse** scores and sub-**1.2s** load times across the platform, validated with **Vitest** testing.

TableSense — Restaurant Floor-Plan & Live-Operations Platform

Live Link

- Engineered a **Konva** canvas floor-plan editor with **Socket.IO** real-time multi-user sync (verified **29ms** two-device latency) fanned out via **Upstash Redis**.
- Developed an offline-first **PWA** with a custom **Workbox** service worker and **Web Push** (VAPID), on **React 19**, **Express 5**, **MongoDB**.
- Drove analytics from an append-only audit log with multi-tenant, JWT-scoped security and idempotent **Stripe** webhooks; sustained **90+ Lighthouse** with green **Core Web Vitals** across **50–70** weekly users.

GatherGo — Multi-Vendor Event Ticketing Platform

Live Link

- Architected an oversell-proof **Stripe** checkout backed by per-tier **Redis** locks and idempotent webhooks, with signed **JWT QR** tickets and a downloadable check-in **PWA**.
- Created plan-gated AI (**Groq**) for descriptions and sales insights, **Stripe** subscription billing, and live organizer analytics (**Recharts**); achieved **95+ Lighthouse** and sub-**1.5s** load, serving **50–70** weekly users. Stack: **React**, **Node 20**, **PostgreSQL** (Neon).

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL, HTML/CSS

Frontend: React.js, Next.js, Preact, Redux Toolkit, TanStack Query, Tailwind CSS, Shadcn/UI, Radix UI

Backend: Node.js, Express.js, REST APIs, Socket.IO, BullMQ

Databases: PostgreSQL, MongoDB, MySQL, Redis, Drizzle ORM, Mongoose

Testing & Monitoring: Vitest, Jest, React Testing Library, Sentry, Datadog, Google Analytics

Cloud & DevOps: AWS, Google Cloud, Docker, GitHub Actions, Jenkins, Vercel, Render, Git, Linux

Other: REST API Design, System Design, Stripe, Clerk Auth, SSE/WebSockets, PWA, GenAI/LLM Integration

EDUCATION

B.Tech in Information Technology

Dr. B.R. Ambedkar National Institute of Technology, Jalandhar

Aug 2019 – Jun 2023

CGPA: 8.43/10.0

CERTIFICATIONS & ACHIEVEMENTS

- Received **Applause Award (2x)** at Deloitte for outstanding project contribution and delivery.
- Certified: **Google Cloud Associate Cloud Engineer**, **Microsoft Azure Administrator (AZ-104)**, **GitHub Copilot**, plus 7+ cloud certs across Azure (AZ/AI/PL/DP/SC-900) and Oracle Cloud.
- Collaborated with a team to win **3rd place** at the Azure Community Cloud Hackathon; coordinated **9+ community events** as **Gold MLSA** and **Postman Student Leader**. Technical author on **Medium** (Stackademic, Design Bootcamp).