Amber Anand

Senior Software Engineer

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SUMMARY

Senior Software Engineer with 7+ years of experience building React, TypeScript and Node.js applications, from frontend architecture and CMS tooling to multi-tenant, full-stack platforms. At Ticketmaster, delivered independently deployable widget libraries, a drag-and-drop page builder and a multi-tenant digital asset management platform, with Core Web Vitals gains of up to 95%. Also hands-on with LLM APIs in live applications, including document processing, structured outputs, streaming, prompt engineering and tool/function calling.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES2022+), HTML5, CSS3

Frontend: React, Next.js, Redux Toolkit, Zustand, Vite, Webpack, Tailwind CSS, styled-components

Backend: Node.js, Express.js, Prisma ORM, REST APIs, Zod, JWT

AI & LLM: OpenAI API, Anthropic API, Google Gemini API, prompt engineering, structured outputs, streaming, tool/function calling, LLM document processing

Cloud & DevOps: AWS S3, AWS EC2, Docker, Kubernetes, Helm, GitLab CI/CD

Databases & Tools: MariaDB, MySQL, Redis, Firebase, Swagger/OpenAPI, Claude, Claude Code, Git

PROFESSIONAL EXPERIENCE

Engineer 3 (Senior Software Engineer) | Ticketmaster India February 2021 – Present | Gurugram

- **Widget library:** Built and maintained independently deployable React widget bundles (Webpack UMD) for a Drupal-based page builder, each with separate CMS settings and user-facing builds, isolated Redux/Context state, multi-locale support (en/fr-ca/es-mx), GTM/Google Analytics tracking and WCAG 2.1 accessibility improvements.
- **No-code page builder & CMS:** Built a drag-and-drop page canvas (react-grid-layout) with reusable saved widget configurations, iframe-based responsive device previews, a dual drag-and-drop menu editor (react-dnd, react-sortable-tree), an unsaved-changes guard spanning React and Drupal, and a configuration-driven filter engine supporting 7 filter dimensions with fast client-side O(n) filtering.
- **Web performance:** Improved Core Web Vitals on no-code pages: FCP 4.0s to 0.8s (80%), LCP 40.0s to 6.5s (84%), CLS 0.286 to ~0, and FID 71ms to 3ms (95%).
- **Digital asset management SDK:** Architected an embeddable React 18 + TypeScript SDK with two self-contained widgets for Drupal CMS, Zustand state management, multi-entry Vite builds and a design-system abstraction layer that allows UI library swaps in a single file.
- **Multi-tenant APIs:** Built Node.js/Express REST APIs with Prisma and MariaDB, featuring integrator-key authentication, tenant-level data isolation, bulk operations and full OpenAPI documentation.
- **Cloud uploads & delivery:** Implemented parallel, chunked AWS S3 uploads for files up to 100 MB with automatic upload-mode selection and abort/failure cleanup; containerised with Docker and deployed via Helm, Kubernetes and GitLab CI/CD.

Freelance Frontend Developer | Self-Employed February 2020 – February 2021 | Patna

- Delivered production-ready React and MERN stack applications for 3+ clients, including a VR chat interface and a Firebase-integrated game platform.

Founding Engineer | Mirsys Technologies January 2019 – February 2020 | Bengaluru

- Built an indoor navigation system using Wi-Fi RTT and trilateration, achieving 90% greater location accuracy than GPS.
- Contributed to an Indian Railways solution that reduced manual operational costs by 75% (INR 400 Cr to INR 100 Cr).
- Worked across the full stack: MERN web app, Android app, AWS EC2/S3, MQTT messaging and Redis caching.

EDUCATION

B.E. Information Science Engineering | RNSIT, Bengaluru 2014 – 2018

First Class with Distinction