

Shanu Sivakumar

Full Stack / Frontend Engineer

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Summary

Full Stack & Frontend Engineer specializing in React, Next.js, TypeScript, and Node.js. Expert in building scalable full-stack architectures, optimizing frontend performance, and delivering robust database layers for enterprise SaaS applications.

Skills

Frontend Technologies

React, Next.js, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, shadcn/ui, Radix UI, Redux, Zustand, TanStack Query, Lexical, @dnd-kit, Zod, Framer Motion, Webpack, Vite, Sass

Backend & Databases

Node.js, SQL, Express, PostgreSQL, SQLite, MongoDB, Redis, BullMQ, Turso, Supabase, Drizzle ORM, Sequelize

Cloud, Services & Tools

Git, GitHub, Docker, Vite, pnpm, AWS S3, Cloudflare, Vercel, Stripe, HubSpot, Cloudinary, Ably, Groq, Figma, Jira, Claude Code

Experience

SurveySparrow Chennai, India
Full Stack Developer Aug 2023 - Present

- Led the rebuild of the legacy Mobile Web platform in under 3 months using React and JavaScript, leveraging **TanStack Query** and **@dnd-kit** to architect a touch-friendly drag-and-drop survey builder integrated with backend APIs that **drove a 200% increase in mobile completion and creation rates**.
- Modernized data fetching across the platform by migrating from Redux/Axios to **TanStack Query**, optimizing server-state management and caching to **reduce frontend network overhead by 20%**.
- Rebuilt the Ticket Management platform with parent-child ticketing, advanced filtering, keyboard-friendly workflows, and HubSpot/SparrowDesk API support, **improving support team navigation speed by 50%**.
- Designed and implemented an interactive Executive Dashboard for Ticket Management, engineering custom date ranges, paginated list views, and chart visualizations to **provide enterprise clients with real-time operational analytics**.
- Developed core productivity features including a Lexical-based rich text editor, custom macros, quick replies, and reusable attachment viewers while **integrating Node.js backend services** to automate ticket workflows.
- Built full-stack pricing, upgrade, trial expiry, and feature-gating infrastructure, **implementing backend microservices** to enforce usage limits, manage Stripe billing, and handle subscriptions.
- Engineered core growth automation tools inside the "Area51" internal super-admin console, creating an automated seasonal campaign manager and handling cross-platform subaccount unlinking **with real-time billing synchronization**.
- Expanded authentication and platform security by developing Apple Sign-In, multi-channel 2FA (Email, SMS, TOTP), and password policy enforcement flows **backed by PostgreSQL and Redis**.
- Engineered a centralized library of reusable components and shared UI systems including standardized banners, onboarding widgets, and sandbox tooling **reducing frontend development redundancy by 30%**.

Projects

NextLevel Next.js, TypeScript, Turso, Drizzle ORM, Better Auth
Architected a full-stack TypeScript pipeline integrating the IGDB REST API with Turso (libSQL) and Drizzle ORM; built scheduled cron jobs and server-side TTL caching to sync metadata and reduce third-party API calls.
<https://nextlevel.shanu.dev>

Whispr Next.js, TypeScript, Ably Chat SDK, Zod, Tailwind CSS
Built a real-time anonymous chat platform with Next.js and the Ably Chat SDK for messaging and presence; implemented token-based authentication via server-side API routes to keep API keys server-only and scope anonymous client identities.
<https://whispr.shanu.dev>

Education

Saveetha Engineering College B. Tech.
Information Technology Chennai, India • Aug 2020 - May 2024

Languages

English Tamil Hindi