

Shanu Sivakumar

Full Stack Engineer

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Summary

Specializing in enterprise SaaS architecture, scalable full-stack applications, and modern product experiences, with expertise in monetization infrastructure, workflow-driven UX engineering, and scalable platform systems.

Skills

Languages

TypeScript, JavaScript, Node.js, SQL, HTML, CSS, Sass

Frameworks

Next.js, React, Tailwind, shadcn/ui, Framer, Redux, Zustand, TanStack Query, Drizzle ORM, Sequelize, Lexical, @dnd-kit, Zod, Radix UI

Databases & Services

PostgreSQL, SQLite, MongoDB, Redis, BullMQ, Turso, Supabase, Stripe, HubSpot, AWS S3, Cloudflare, Vercel, Cloudinary, Ably, Groq

Tools

Git, GitHub, Docker, Vite, Figma, Jira, Claude Code, pnpm

Experience

SurveySparrow

Chennai, India

Full Stack Developer

Aug 2023 - Present

- Platform Architecture & Mobile Experience Modernization:** Led the rebuild of SurveySparrow's legacy Mobile Web platform in under 3 months, delivering dynamic onboarding, drag-and-drop survey configuration, theming systems, and scalable UX architecture. Modernized frontend infrastructure by migrating Redux/Axios patterns to TanStack Query for server-state caching and synchronization at scale.
- Ticketing Platform Revamp & Workflow Automation:** Rebuilt the Ticket Management platform from the ground up, introducing parent-child ticketing workflows, advanced filtering and saved custom views, Lexical-based rich text editing, macros, quick replies, keyboard-accessible workflows, and round-robin assignment systems optimized for speed and operational efficiency.
- PLG & Monetization Infrastructure:** Architected full-stack monetization and upgrade systems including dynamic pricing and upgrade experiences, contextual paywalls, usage-based alerts, quota-aware conversion flows, enterprise feature gating, and 7-day trial systems with backend cooldown enforcement across multiple product categories. Built a super-admin driven seasonal sales platform with Stripe-integrated coupon management, HubSpot account exclusions, and Redis-backed dynamic configuration and caching.
- Enterprise Security & Platform Infrastructure:** Redesigned authentication and enterprise platform infrastructure by expanding 2FA support across Email, SMS OTP, and TOTP flows, implementing role-based and customizable navigation architecture with DB/Redis persistence, and provisioning isolated sandbox environments for enterprise testing and controlled feature access.
- Reusable Systems & Product Experience Engineering:** Built reusable platform systems including a multi-format attachment viewer supporting documents, media, and rich previews directly within the product. Unified fragmented branding and configuration logic into centralized platform-level systems while delivering interactive onboarding experiences and guided user adoption flows across key product surfaces.

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

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Languages

English

Tamil

Hindi