

Saurav Kumar

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SKILLS

PROGRAMMING

Languages:

Javascript • Python • Rust

Typescript • Dart

Frameworks:

Svelte • React • Vue

Express • Hono • FastAPI

NextJS • Django • NextJS

Database:

PostgreSQL • MySQL • Mongo

Utilities:

HTML/CSS • Git • Jest • Vite

Docker Compose • Vitest

Cursor • Claude • Agents

Exposure:

GCP • AWS • Kubernetes

Firebase • Nginx • Docker

LINKS

LinkedIn:// [ksorv](#)

Github:// [sov kay](#)

Gmail:// [sorvkay](#)

EDUCATION

IIT KANPUR

B. TECH IN ELECTRICAL ENG.

Kanpur, India

EXPERIENCE

MORPHIC FILMS | FOUNDING ENGINEER

Aug'24 - Present

- Architected **figma like real-time collaborative canvas** using **Yjs**, **Hocuspocus**, and **Redis**, along with migration of **1M+ objects** with **<0.01% data loss**
- Built browser-based **video editor** with **OPFS** for **4K playback**, matching FFmpeg output frame-for-frame including transitions
- Designed highly scalable **ffmpeg export pipelines** on backend with audio, video and transitions support – **exporting 500k+ 4k assets**
- Designed and extracted **our AI chat system** into a reusable library, powering **1.3M+ generations** platform-wide
- Implemented **canvas using Rust and WebGL** to increase performance by **100 folds**
- Led **Svelte 4 to 5 migration** across **3000+ files**, upgrading Storybook, tests, and dependencies
- Designed and led **4 core systems** (Chat, Compose, History, Sync Server) in a 10-person eng team

ZKX | FRONTEND ENGINEER

Jan'24 - Aug'24

- Revamped website with **GSAP** and **Framer Motion** animations, achieving **15% ads conversion increase**
- Implemented **referral program** via **Solidity smart contracts** on **Starknet**, driving **\$15M/month trading volume**
- Launched **airdrop and staking program** using **Cairo** and **Solidity**, successfully distributing **6M+ tokens** within a month
- Designed and built **multiple accounts per wallet** with seamless L3/L2/L1 integration, contributing **\$5M in trades**
- Optimized order book with caching and algorithms, enabling **10M monthly orders** and **60% faster UI rendering**
- Developed custom **WebSocket client** with auth, caching, and parsing, reducing **re-renders by 40%**
- Migrated bundler from **webpack** to **Vite**, cutting dev setup time and decreasing HMR reload times; **saving 2 hours/day per developer**

QUICKSELL | FULL STACK ENGINEER

Aug'22 - Jan'24

- Architected and shipped **Doubletick MVP** with **CI/CD** on **AWS** (CloudFront, Route 53, S3) **within 40 days**
- Built **cross-platform mobile web app** saving **2-3 weeks** dev time for mobile team
- **Lead a team of 3 engineers**, successfully handing over Doubletick post-launch
- Designed **dynamic API endpoint creation** and webhooks flows for **bot builder** app on both frontend and backend, also **integrated ChatGPT to automate bot flows**
- Engineered **invoicing system** with **8 payment gateways** and **GST API**, **saving 300 hours/month** for finance
- Re-designed **payment service** with **NestJS**, **SQS**, **Redis**, and **PostgreSQL**, improving success rates by **40%**
- Deployed **webinar system** using Calendly, Zoom, and Zoho CRM and **analytics** with Sentry, Hotjar, MS Clarity, and GA, driving **70% MRR increase**
- Analyzed **\$200K+ monthly revenue** to optimize features and provide financial insights to stakeholders

MASON | TECHNICAL STAFF

Jan'21 - Jul'22