

# 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:// [sovkay](#)  
Gmail:// [sovdkay](#)

## EDUCATION

### IIT KANPUR

B. TECH IN ELECTRICAL ENG.  
Kanpur, India

## EXPERIENCE

### MORPHIC FILMS | FOUNDRY 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