

SAURAV KUMAR

Frontend Engineer • Software Development • IIT Kanpur

+917394076669 github.com/ksorv [linkedin.com/in/ksorv](https://www.linkedin.com/in/ksorv) sorv@ksorv.com

SKILLS & INTERESTS

Languages: JavaScript, TypeScript, Python, Rust, C, Go

Tools: Git, AWS, SQS, SNS, Route 53, EC2, S3, Lambda, Beanstalk, CloudFront, Nginx

Technical: HTML, CSS, Sass, React.JS, React Hooks, Vue.js, Next.JS, NestJS, Node.js, Express.js, PostgreSQL, Ether.js, WebSockets, Jest

Interests: Blockchain, Web3, Smart contracts, Distributed Systems, Distributed teams, SDK, User Experience(UX), Product Management, Accessibility, Test Driven Development, Scalability, GSAP, Framer motion

PROFESSIONAL EXPERIENCE

ZKX – Frontend Engineer; Remote, London

Jan 2024 – Present

- Revamped the website to a highly animated experience using GSAP and Framer motion, resulting in **~15% conversion increase** to app
- Designed and implemented the referral program using solidity smart contracts through Ether6 and Starknet accounts; **increasing the trading volume by \$15 million per month**
- Launched the airdrop and staking program through Solidity and Cairo smart contracts, leveraging Ether6 and Starknet **to distribute over 6 million ZKX tokens to users** within a month
- Implemented multi-pro accounts on Starknet account, achieving seamless integration between L3 chain, Starknet L2, and Ethereum L1; **contributed an additional \$5 million in trades**
- Transformed the order book by deploying sophisticated caching, memorization, and refined algorithms, **enabling over 10 million monthly orders** while **slashing UI rendering times by 60%**
- Built a tailored web socket client for UI to handle authentication, caching, and parsing, **cutting app re-rendering times by 40%**, translating to a reduction of over 5 seconds in rendering
- Decreased the startup and reloading time on development setup; **saving up to 2 hours daily per developer** by moving to Vite on development side from webpack

Quicksell – Full Stack Engineer; Mumbai, IN

Aug 2022 – Jan 2024

- Architected and developed the Doubletick desktop web app MVP using React; *deployed with CI/CD on Bitbucket pipelines, S3, CloudFront Distributions, Route 53 and Nginx within 40 day*
- Developed mobile web app with cross platform messaging using React, Android Webview and Safari controller **saving ~4 weeks development time for Android & iOS teams**
- **Hired, managed and mentored a team of 3 developers**, who maintained the Doubletick after handover
- Engineered an invoicing system with 8 payment gateways and GST API; using Zoho Invoices, SQS, Redis, PostgreSQL, and SNS within a month; **saving 300-hours/month for the finance team**
- Created a payment service with NestJS, SQS, SNS, Redis, PostgreSQL, and Web sockets in the last quarter; resulting in **~40% more payment success rates**
- Architected and implemented a holistic analytics system integrating Sentry, Hotjar, MS Clarity, and Google Analytics; enhanced error tracking and data insights, **resulting in a ~70% increase in MRR**
- Spearheaded the development and implementation of webinar system for marketing, acquisition and retention teams using Calendly, Zoom, and Zoho CRM **driving approximately 70% of all MRR**
- Analysed more than \$200K of monthly revenue to optimize features, and tests; and to get *financial data for finance team, investors and founders*

Mason – Technical Staff (Frontend Engineer); Remote, Bangalore

Jan 2021 – Jul 2022

- Ported a big legacy app from React 14 class components and JavaScript to React 17 functional components and TypeScript **reducing bugs by 30% in 3 months**
- Ported from webpack 3 to 4 with better chunk splitting in production resulting in **~50% bundle size decrease and 60s faster loads within 3 months**
- Engineered a flexible Automations UI for Shopify events, facilitating user content updates based on metrics such as hourly sales; *scaling to hundreds of Automations in a month*
- Created scalable social media connectors using OAuth 2 and GraphQL to create, edit and send automated posts to social media platforms

EDUCATION

IIT Kanpur | B. Tech (EE) | Kanpur, IN

OPEN SOURCE

Medium Editor | Maintainer

Jun 2018 – Jan 2019

- Ported automated tests from Jasmine to Karma framework for IE11, Firefox, Safari and Chrome