Sahil Shubham

✉ hello@sahil-shubham.in | 🌐 sahil-shubham.in | ⚫ sahil-shubham | 💼 sahil-shubham

I care a lot about Open Source, writing organized code and knowing what I don't know

Education

Indian Institute of Technology   Kharagpur, India
B.Tech in Metallurgy & Materials Engineering   *2019 – 2023*

Work Experience

FinsynthAI   May 2024 – Present
Full Stack Founding Engineer | *ReactJS, Typescript, GraphQL, Terraform, Helm*
- Second Engineer at FinsynthAI, a FinTech startup aiming to help do better qualitative public market research
- Tell about handling frontend and infra, technologies already mentioned above so all good
- A frontend point
- A infra point
- A infra point
- A gpu testing + prompt engineer / testing point

Entrepreneur First   July 2023 – January 2024
Entrepreneur in Residence
- Pursued entrepreneurship full-time as part of **Entrepreneur First's Graduate cohort, $10B total portfolio value**
- Worked on **LLM evaluation & observability**, crafting solutions for real-time quality monitoring for RAG pipelines

Workduck   January 2022 – August 2023
Founding Engineer | *ReactJS, Typescript, Zustand, Plate, Webpack*
- Founding engineer at Workduck, a startup with a vision to create an E2E knowledge management tool for product teams
- Led the development for web, setup mono-repo for chrome extension and webapp in React **using Webpack and Nx**
- Benchmarked browser storage types, ensured data sync across Chrome, localStorage, and IndexedDB via **Message API**
- Added features like public notes with **read-through cache**, web highlights by **Selection Object serialization**, etc.
- Optimized the extension's bundle, cutting cyclic and managing peer dependencies, **resulting in a 60% size reduction**
- **Improved team collaboration** via S3 snapshots, using websockets to broadcast CRUD events, and **shared workers**
- **Improved DX** by setting up changesets, and GitHub actions for yarn lock diffs and deployments to chrome store

Felvin Search   May 2021 – March 2022
Full Stack Developer | *ReactJS, Redux, Styled-Components, NodeJS, Docker, AWS*
- **First Engineer** at Felvin, a startup aiming to improve search experience through open-source community driven apps
- Developed integrations to give users **a singular search** through their personal documents for Pocket, Notion and Drive
- Dockerized the codebase to deploy on AWS ECS using GitHub Actions for Continuous Deployment, later moved to EKS
- Developed custom CLI to improve the developer experience and handle custom Webpack bundling for multiple packages
- Maintained the open source repository and conducted hackathons to grow the Discord community to **150+ developers**

Open-Source Projects

KGPyaar | *ReactJS, TypeScript, Sass, Flask, MongoDB*   February 2021
- Implemented ElGamal encryption on client side to make an E2E encrypted dating site for students of IIT Kharagpur
- Handled the facebook account, crafted posts, engaged with users and addressed feedback to grow to **950+ followers**
- Wrote white paper to clarify technicalities, resulting in more than **600+ registrations**, and **90 matches in 2 weeks**

Grameen-Setu | *ReactJS, Typescript, Sass*   March 2021
- Developed Grameen Setu, a progressive e-commerce platform to connect SMEs and Self-Help Groups in rural India
- Worked in a team of 4 to develop the platform **in 3 weeks** and tested robustness among real producers and consumers
- Won **gold for best Tech-Led Innovation for Rural Entrepreneurs** organized by Dhristee in InterIIT Tech Meet
- Went on to **win both the on campus round** and **the Dhaka Regional Summits** for the **Hult Prize 2022**

Volunteering & Technical Competitions

Open-Source Involvement
- At MetaKGP, contributed to and promoted multiple projects like ERP Auto-Login and GYFT to improve student life
- At KOSS, helped conduct workshops regarding Git, Vim and Python to spread Open Source culture in IIT Kharagpur
- Organized KWoC, a month long event for students to contribute to Open Source, **1200+ registrations & 750+ PRs**
- Revamped student council's website to show events, contacts and conduct elections, resulted in **25k visits in 3 weeks**

Inter-IIT Tech
- **Won gold** in InterIIT Tech 2022 for Saasifi, a graph-based analysis tool for SEC filings, built on top of edgar-crawler
- **Won Mercari large-scale system design event** at InterIIT Tech 2022 with a scalable hospital management system
- **Won InterIIT Tech 2023 gold** as the Development Captain, oversaw **200+ interviews** and **managed 10+ teams**