

SAWAN BHATTACHARYA

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TECHNICAL SKILLS

Languages: JavaScript, Typescript, Python, Rust, Golang, Bash, HTML, CSS, Solidity
Developer Tools: VS Code, Git, Docker, Postman, Flipper, GitHub, Vercel, Figma, AWS
Technologies/Frameworks: Next.js, ReactJS, Tailwind, Node.js, Express.js, Framer, GSAP, Linux, React Native, Turborepo, Nx, Svelte

EXPERIENCE

Falsch-Parker.ch September 2024 – Present
Sr Full-stack Engineer *remote*

- Created a single TypeScript API client for REST and GraphQL, wrote a Zod-based library for schema validation.
- Led the greenfield migration from a PWA to a scalable React Native app by building the frontend from the ground up, setting standards for clean code, and mentoring a team of developers
- Created live map view for drivers, such as live route rendering and directional heading, and set up GitHub Actions pipelines for region specific builds and automatic App and Play Store deployment.

TrueZK June 2023 – September 2024
Founding Engineer *remote*

- Developed the UI Design System, icon library, and RaaS platform using PNPM workspace and Turborepo for optimized component management.
- Implemented user authentication and mailing server with Node.js and Express, using PM2 for process management on an EC2 instance.
- Built an automated hosting server with AWS, Docker, and S3 for on-demand deployment; migrated IP fetcher to gRPC in Rust and developed a Go API gateway.

HealthBarosa March 2023 – May 2023
Frontend Developer *remote*

- Developed a React Native application for Android, and utilized Flipper for effective debugging and integrated essential screens such as login and settings, and other components for seamless functionality.
- Implemented a robust codebase by incorporating a linter and integrated login and OTP APIs into the application, ensuring secure user authentication.
- Collaborated closely with the design team to shape the application's flow and enhance UX.

Auxesia May 2022 – February 2023
Frontend Developer *remote*

- Resolved accessibility issues, integrated d3.js for advanced chart functionalities, and contributed to the development of profile section modules.
- Audited Vtopia's marketplace website, and achieved a 30% reduction in Largest Content Full (LCF) time. Implemented strategic technical SEO measures that significantly boosted website traffic.
- Explored Metamask Snaps for potential use cases.

PROJECTS

Keyshade [🔗](#) | Next.js, Turborepo, Typescript, NestJs Ongoing

- Built a secret and config management software with secret sprawl detection, achieving 130+ stars on GitHub.
- Developed a static code analysis tool for secret scanning, detecting 50+ types of secrets, with plans for high entropy detection.
- Designed and implemented the secret management platform, including a fully functional CLI and architected UI for the CLI.

OPEN-SOURCE CONTRIBUTION

FOSS Overflow IIT Bhilai December 2021 – January 2022

- * Developed a digital wellbeing browser extension to track users screen time.
- * Implemented features that allowed users to monitor their overall digital activity across multiple devices.
- * Collaborated with a team to continuously refine and improve the extension's overall functionality.

EXTRACURRICULAR

Google DSC Lead

July 22 – June 23

- * Managed a team, fostering collaboration and achieving goals.
- * Organized impactful technical events for knowledge-sharing and networking.
- * Guided students in Google technology, supporting their professional development.

EDUCATION

NIT, Agarpara

B.Tech CSE

2021 – 2025

Kolkata, India