

Vraj Shah Software Engineer

Product engineer with 4+ years of experience working in high-ownership, early-stage startup environments.

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WORK EXPERIENCE

Software Engineer II (Fullstack)

05/2024 - Present

[Loop Health](#)

Bangalore, IN

- Built a tool (fullstack) for claim support agents **saving ~9000 hours per month**, while reducing dependency on external tools like freshdesk.
- Designed & built **claim status tracking system** integrated with 10+ TPAs, providing granular visibility & reducing support tickets by 50%, hence increasing agent productivity.
- Designed a robust company-wide observability infrastructure purely using BigQuery making which also made debugging smoother.
- Built and owned features across **8 different projects** within a short period, it also helped gaining deep expertise in the healthcare domain & confident technical decisions.
- Led several management & developer experience initiatives to ramp up the team to deliver quality under tight timelines

Fullstack Engineer (Freelance)

09/2024 - 11/2024

[Hypersift](#)

- Built an AI-powered interviewer that takes preliminary screening calls for recruiters
- Architected a Google Meet like call application involving video/audio streaming & voice transcription with the help WebSockets and browser Media APIs
- Orchestrated **AI tooling** (Groq, Deepgram & OpenAI) to perform different functions such that accurate results are achieved for each requirement
- Delivered a fullstack app in **Next.js 14 (app router)** with a robust frontend built using tailwind & shad-cn

Founding Engineer

10/2021 - 05/2024

[Bluelearn](#)

Bangalore, IN

- Established and led a **five-member team**, mentoring new hires while successfully managing 5 concurrent projects and overseeing recruitment efforts (screening, interviewing, onboarding).
- Architected scalable web infrastructure (Docker, AWS ECR, Lambda, CloudFront, API Gateway, Terraform), defining tech stack, tooling, coding standards, and DevOps processes. This enabled the deployment of Next.js micro-frontends, handling **500k+ traffic surges** with **sub-100ms global load times**.
- Designed and implemented backend features, from **database schemas to RESTful APIs**. Developed scripts(Go/Python), bots, and crawlers to automate tasks and enhance data collection.
- Rapidly prototyped experimental solutions under 1-2 day deadlines, accelerating the company's path to **initial revenue**.
- Developed an in-house push notification system enabling precise targeting based on SQL queries and Mixpanel data. This solution replaced MoEngage, **cutting costs by ₹2-3 lakh annually** and keeping the data within the company.
- Engineered a **Redis-backed reactive ranking system** for a hiring platform, prioritizing top applicants for recruiters and increasing visibility for qualified candidates.
- Worked on an IP-based user tracking service, enabling pre-signup analytics for the marketing team. This solution eliminated external service costs (**saving ₹12 lakh annually**) and reducing effective CAC.
- Proactively built a custom Tailwind-based headless component library (predating ShadCN). Progressively iterated over UI frameworks (Ant Design, SCSS, Bootstrap, Chakra UI, Tailwind) to enhance UI development toolkit.
- Engineered a feature-rich, direct and group **chat feature from scratch** using Socket.IO, supporting 5000+ messages per day with media and sticker capabilities.
- Collaborated on a React Native design platform, developing cross-platform components to enable dynamic, backend-driven UIs (via JSON schema) for web and mobile.

Frontend Developer (Freelance)

09/2020 - 08/2021

[PresentStorie](#)

Remote

- Developed premium frontends with animations and polished UX for the e-commerce and vendor sides of the gifting startup.
- Established a custom **SCSS-based design system** to achieve pixel-perfect interfaces and streamline development.

PROJECTS AND LEADERSHIP

Dooreye - A privacy-first neighborhood security app

08/2024 - Present

- Building a privacy-focused neighborhood security platform in response to growing data privacy concerns in subscription-based security apps

- Designed & developed a privacy-oriented backend infrastructure using **golang** & **postgresql** while building a performant **react-native** frontend with custom UI components using [unistyles](#)

Lead, Hack Club SVIT

08/2021 - 01/2023

- Founded Hack Club SVIT, fostering a **1000-member student community**.
- Directed branding, design, development ([landing pages](#), [app](#), [backend](#)) and logistics for [HackSVIT](#), a national-level hackathon.
- Cultivated technical talent through talks, workshops, mentorship, and hackathons, while leading a core team of 20 members.

Computer Vision & Machine Learning Research Project, SVIT

12/2021 - 11/2022

- Applied computer vision and machine learning to develop fruit-counting solutions for yield estimation. Iterated through algorithms (contour-based, watershed, R-CNN, YOLOv4/v5) to optimize accuracy for agricultural applications.

Jr. Placement Coordinator, Training & Placement Cell (SVIT)

03/2021 - 03/2022

College Management System App, SVIT

12/2020 - 11/2021

- Contributed to the college's flutter app with 3000+ students & faculties for accessing attendance, timetables & marks.

EDUCATION

SVIT, Vasad (Gujarat Technological University)

08/2019 - 06/2023

Bachelors in Computer Engineering (8.1 CGPA)

Vadodara, IN

SKILLS

Programming Languages: Javascript/Typescript, Golang, Python, Ruby, HTML, CSS

Tools & Frameworks: PostgreSQL, Express, React, Next.js, React Native, Webpack, GSAP, Tailwind, WebSockets, Docker, Apache Kafka, AWS, GCP, Terraform, Mixpanel, Figma, Vim