Vraj Shah.

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Software Engineer

4+ years experience. Backend architecture, frontend implementation, interface design. Currently inclined towards backend & platform engineering.

EXPERIENCE

MAY 2024 — PRESENT

Induced AI / Software Engineer (Applied AI)
Remote

Product-focused engineering agency building AI-powered tools for high-stakes industries.

- **AI Security Observability Platform (Stealth)**
  Architected **LLM API proxy system** processing production traffic with **<50ms overhead**.
  Designed/developed **analytics dashboard** for real-time metrics and logs.
  Engineered **Redis-based distributed policy engine** for **sub-millisecond rule evaluation**.
  Enabled workflow orchestration across Frontend, Backend, and Worker layers ensuring seamless UX.
  Stack: Next.js, Node.js, PostgreSQL, MongoDB, Redis, BullMQ

- **VENUS - Research Intelligence (PE Fund)**
  Built AI platform **reducing analyst work from weeks to minutes** via structured company profiles.
  Engineered aggressive **web crawling system** indexing hundreds of documents.
  Migrated document serving to **S3** enabling **horizontal scaling**.
  Implemented **RAG-based AI agents** with context-aware querying.
  Stack: Next.js, Node.js, MongoDB, AWS S3, Exa

- **Additional Projects**
  Dental Platform: Built dynamic form system and document processing pipeline.
  Induced Stack: Created reusable package system (email, auth, notifications).

SEP 2024 — NOV 2024

Hypersift / Fullstack Engineer (Freelance)
Remote

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

STACK :: Next.js, Tailwind, shadcn/ui, WebSockets, Groq, Deepgram, OpenAI

MAY 2023 — MAY 2024

Loop Health / Software Engineer II
Bangalore, IN

- Built fullstack claim support tool **saving ~9,000 agent hours monthly**.
- Designed claim status tracking integrated with **10+ TPAs**, **reducing support tickets by 50%**.
- Architected **observability infrastructure** using **BigQuery** for improved debugging.
- Shipped features across **8 concurrent projects** while maintaining code quality.

STACK :: React, Node.js, PostgreSQL, BigQuery, AWS

OCT 2021 — MAY 2023

Bluelearn / Founding Engineer
Bangalore, IN

Ed-tech startup. First engineering hire. Built and led 5-person team.

INFRASTRUCTURE
Architected serverless infra handling **500K+ traffic surges**.
Sub-100ms load times via Docker, AWS Lambda, CloudFront.

BACKEND SYSTEMS
Built **Redis-backed reactive ranking system**.
Developed IP-based tracking, **saving ₹12 lakh** in costs.
Created Socket.IO chat for **5,000+ daily messages**.

FRONTEND
Built **custom headless component library**.
Collaborated on **JSON-schema driven React Native UI**.

GROWTH
Shipped experimental features under **1-2 day deadlines**.
Developed automation scripts in Go/Python.

PROJECTS & LEADERSHIP

Dooreye
2024

Privacy-first security app. Backend in Go/Postgres, React Native frontend with Unistyles.

Lead, Hack Club SVIT
2021-23

Founded 1,000-member community. Directed national hackathon (HackSVIT). Led branding, tech, and team of 20.

CV Research Project
2021-22

ML for agricultural yield estimation. Iterated R-CNN/YOLO algorithms for real-world accuracy.

TECHNICAL ARSENAL

LANGS	TypeScript, JavaScript, Go, Python, Ruby
FRONT	React, Next.js, React Native, Tailwind, shadcn, GSAP
BACK	Node.js, Express, PostgreSQL, MongoDB, Redis
INFRA	Docker, AWS (Lambda, ECR, S3), GCP, Terraform
TOOLS	Kafka, Socket.IO, BullMQ, Mixpanel, Figma, Vim

EDUCATION

B.E. Computer Engineering
8.1 CGPA
2023

SVIT, Gujarat Technological University