

SURAJ AMBEKAR

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Summary

Full Stack Engineer with 2+ years building production SaaS platforms. Currently Founding Engineer at a cybersecurity startup, architecting multi-tenant systems end-to-end, from RBAC and event-driven pipelines to PDF generation and EC2-based lab provisioning. Previously at Peoplehum, where I owned systems serving enterprise customers. Strong in React.js, Node.js, TypeScript, PostgreSQL, and AWS.

Technical Skills

Languages & Frameworks: Node.js, TypeScript, JavaScript, Express.js, React.js, Next.js

Databases & Caching: PostgreSQL, MongoDB, Redis, Firebase, Prisma ORM

Backend & Architecture: REST APIs, Distributed Systems, Event-Driven Architecture, Microservices, BullMQ, Webhooks, State Machines, Multi-tenancy, RBAC, System Design

Frontend: React.js, Next.js, Redux, TailwindCSS, TanStack Query, Zustand, TipTap, dnd-kit, HTML, CSS, SCSS

Cloud & DevOps: AWS (S3, EC2, CloudFront), Git, GitHub, Jenkins, Grafana, Prometheus

Security & Auth: JWT, OAuth 2.0, OpenID Connect, Zod

Integrations: Stripe, Salesforce, Google APIs, Calendar APIs, Jira APIs, Nodemailer, WeasyPrint

Experience

Redfox Cybersecurity

July 2025 – Present

Founding Engineer - Full Stack

Mumbai, India

- **FoxReport:** Built a 0-to-1 multi-tenant SaaS security reporting platform as the sole engineer, owning full-stack architecture and system design.
- Architected a modular 4-service architecture (React frontend, API gateway, backend API, Python PDF service) enabling scalability and secure inter-service communication.
- Engineered an asynchronous PDF generation pipeline using HTML snapshots, WeasyPrint, AWS S3, and CloudFront signed URLs for secure and scalable report delivery.
- Developed a drag-and-drop report builder with TipTap, reusable templates, placeholder substitution, and version-controlled layouts.
- Implemented organization-level RBAC, audit logging, and PostgreSQL schema supporting multi-tenant data isolation and versioned entities.
- **FoxBreach:** Built a cybersecurity learning platform with lab and exam workflows, including isolated AWS EC2-based environments per user session.
- Designed event-driven workflows using BullMQ and Redis with retries, idempotency, and fault-tolerant background processing.
- Built a webhook-first LMS integration with deduplication, background sync, and exam attempt tracking workflows.
- Built a unified entitlement and payment system that decouples billing from access, supporting courses, labs, exams, and CTF workflows.

Peoplehum

July 2023 – February 2025

Software Development Engineer - Full Stack

Mumbai, India

- Built and scaled backend systems for the Partner Portal using Node.js, PostgreSQL, Redis, and AWS, improving reliability and reducing latency by 30%.
- Delivered frontend and backend features for customer and partner workflows, including dashboards, reporting pages, and operational screens.
- Integrated Stripe payment workflows for end-to-end billing automation, reducing manual effort by 70% and streamlining subscription flows.
- Created core business features, including reconciliation engine, upsell tracking, and foreign exchange profit-and-loss tracking.
- Optimized REST APIs and database queries, achieving up to 30% faster response times through indexing, query tuning, and Redis caching.
- Improved file storage pipeline using AWS S3, optimizing upload performance and reducing infrastructure cost.
- Integrated Salesforce CRM, Google APIs, and Calendar APIs to automate workflows and extend platform capabilities.

Projects

PARTNER PORTAL: TRACK PARTNER JOURNEY

October 2023

- Built a full stack platform to manage partner and customer lifecycle data from onboarding to lifecycle management using Node.js, PostgreSQL, Redis, and AWS S3.
- Implemented dashboards, Salesforce CRM sync, and call tracking tools to improve operational visibility and team efficiency.

CINEMAGIC - Live Demo - GitHub

January 2021

- Developed a movie and TV show discovery platform with search, metadata, and user ratings, optimized with lazy loading and infinite scrolling.

Education

Mumbai University

Master of Science in Information Technology

June 2021 – April 2023

GPA: 9.38/10

Mumbai University

Bachelor of Science in Information Technology

June 2018 – April 2021

GPA: 8.15/10