Rahul Sahani

Full Stack Software Engineer | React, Next.js, Node.js, TypeScript, Python
me.rsahani@gmail.com | +91 93551 61515 | New Delhi, India
linkedin.com/in/rahul1sahani | github.com/Rahul-Sahani04 | rsahani.vercel.app

SUMMARY

Software engineer building production web applications, REST APIs, and microservice backends with React, Next.js, Node.js, TypeScript, and Python. Cut API latency 35–40% and render time roughly 40%; also built RAG and LLM tools.

SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, Java, SQL, HTML5, CSS3
Frontend: React, React.js , Next.js, Tailwind CSS, Three.js, HTML5 Canvas, Framer Motion, GSAP, Vite
Backend: Node.js, Express.js, FastAPI, Spring Boot, REST APIs, Microservices, WebSockets, JWT, RBAC
Databases: PostgreSQL, MongoDB, MySQL, Redis, Convex, Supabase, pgvector, SQL Optimization
AI and ML: Gemini API, RAG, Sentence Transformers
DevOps and Tools: Docker, GitHub Actions (CI/CD), Vercel, AWS EC2, Git, Postman, Swagger, System Design, Testing

EXPERIENCE

Full Stack Developer, Printeast Apr 2026 – Jun 2026

- Built a browser-based SVG design studio with a custom SVG parser, Bezier node editor, and 7-mode text-warp pipeline, reducing render time by roughly 40% through algorithmic optimization
- Led architecture of a Shopify-style theme store on a microservices backend with Next.js and Node.js, covering theme editing, product management, and one-click publishing
- Developed a real-time, non-destructive image filter and pattern designer with layer-based editing in the canvas editor

Full Stack Developer (Freelance), Triveni Industries – Triveni Pumps Division Dec 2024 – Jan 2025

- Built a scalable e-commerce platform with React, TypeScript, Node.js, MongoDB, and microservices
- Reduced API latency by 35–40% by adding Redis caching and optimizing database queries
- Integrated Cashfree payments, JWT sessions, and role-based access control; delivered an admin dashboard for analytics and inventory

PROJECTS

V-Anime Revived – Anime Streaming Platform | *Next.js, TypeScript, Convex, Clerk, HLS.js*

- Built a custom HLS player with adaptive bitrate streaming, intro and outro skip, multi-server failover, and resumable playback, with cloud-synced watch history and guest-mode merge on sign-in
- Designed a cache-first Convex data layer serving metadata in under 5ms and eliminating upstream rate-limit errors, paired with Next.js edge ISR for 15ms page loads

Beacon – Privacy-First Web Analytics | *Next.js, Convex, Python, Vercel*

- Built a self-hosted, cookie-free analytics platform with a vanilla JavaScript tracker and daily-rotating SHA-256 visitor hashing, replacing a shutting-down provider
- Designed a Convex ingestion pipeline with HTTP actions and cron rollups feeding a real-time dashboard; wrote a Python ETL pipeline to migrate 4,186 historical events

Multilang FAQ API – Production-Style REST Service | *TypeScript, Express.js, MongoDB, Redis, Docker*

- Built a versioned API with rate limiting, strict CORS, structured logging, health probes, and Swagger docs; added an async translation queue with retries, a fault-tolerant Redis cache, and CI via GitHub Actions

AI and ML Projects | *Python, Gemini, ChromaDB, FastAPI, PyTorch Geometric*

- RAG Document Chatbot: built PDF and TXT question answering with chunking, local embeddings, persistent vector search, hash-based change detection, and source-attributed Gemini responses
- YouTube AI Upload Automation: developed a pipeline for Gemini transcription, AI-generated metadata, and OAuth resumable YouTube uploads, with a Streamlit progress dashboard
- Book Recommendation API: built a graph-convolution recommender with FastAPI, blended with TF-IDF similarity

EDUCATION

MCA, Information Technology (coursework complete), GGSIPU – Institute of IT & Management, Janakpuri 2024 – 2026
BCA, Information Technology, GGSIPU – Institute of IT & Management, Janakpuri 2021 – 2024

CERTIFICATIONS AND ACHIEVEMENTS

- Wipro Java J2EE Certification (2023); 1st Place, ODE TO CODE (Mar 2024); 1st Place, CSS Battle, IITM (Oct 2023)