

Rahul Sahani

me.rsahani@gmail.com | +91 93551 61515 | New Delhi, India
linkedin.com/in/rahul1sahani | rsahani.space | github.com/Rahul-Sahani04

Professional Summary

Frontend and Backend Engineer specializing in Full Stack Development with 1+ year building production web applications using React, Next.js, Node.js, and TypeScript. Recently engineered a browser-based design studio — custom SVG engine, text warp pipeline, and a Shopify-style theme builder. Skilled in RESTful API design, microservices, scalability, database optimization, and performance optimization. Comfortable from server architecture to pixel-level canvas rendering.

Technical Skills

Languages: HTML5, CSS3, JavaScript, TypeScript, Java, Python

Backend: Node.js, Express.js, Spring Boot, RESTful API Design, Microservices, WebSockets, Authentication

Frontend: React.js, Next.js, Tailwind CSS, Three.js, Fabric.js, Framer Motion, Single-Page Application (SPA)

Databases: PostgreSQL, MongoDB, MySQL, Redis, Supabase, pgvector, SQL Optimization

DevOps & Infra: Docker, CI/CD, GitHub Actions, Vercel

Tools: Git, Agile, Unit Testing, Integration Testing, Code Review, Debugging, Version Control

Professional Experience

Tynari (formerly Printeast)

Full Stack Developer

Apr 2026 – Jun 2026

- Engineered browser-based SVG design studio with component-based architecture and responsive web design (Fabric.js, Next.js) — custom SVG parser, Bezier node editor with DOM manipulation and browser APIs, 7-mode text warp pipeline; **approximately 40% render time reduction** via performance optimization.
- Developed real-time image filter system and pattern designer with non-destructive layer-based editing and cross-browser compatibility integrated into the canvas editor.
- Architected Shopify-style Theme Store — microservices server architecture, database design, theme editing, product management, and one-click publish (Next.js, Node.js).

Triveni Industries – Triveni Pumps Division

Full Stack Developer (Freelance)

Dec 2024 – Jan 2025

- Built scalable e-commerce platform with RESTful API design and microservices architecture (React, TypeScript, Node.js, MongoDB); **35–40% API latency reduction** via Redis caching and SQL optimization.
- Integrated Cashfree payment gateway with secure authentication, JWT session management, and role-based access control; admin dashboard for real-time analytics and inventory.

Projects

RSAHANI – Full Stack Developer Portfolio

rsahani.space

Tech: Next.js, Node.js, MongoDB, Redis, Three.js, Vercel

- 40% API latency reduction** via Redis caching; 90+ Lighthouse score after a full performance/accessibility audit; custom 3D UI built with React Three Fiber and GLSL shaders on a component-based SPA architecture.

Beacon – Self-Hosted Web Analytics

rsahani.space

Tech: Convex, Next.js, Tailwind CSS, Recharts, Python

- Built a privacy-first, cookie-free analytics platform on Convex with a real-time multi-site dashboard, replacing a third-party tool ahead of its shutdown; migrated 4,186+ historical events via a custom Python ETL pipeline.
- Designed a daily-rotating, server-computed visitor hash (no cookies, GDPR/CCPA-friendly) and a nightly cron rollup that pre-aggregates events into queryable daily stats for O(days) dashboard reads.

Stellar Conflict – Browser-Based Space Shooter

GitHub

Tech: JavaScript (ES6+), HTML5 Canvas, Vite, Tailwind CSS

- Built a modular game engine from scratch with object pooling, spatial partitioning for collision detection, and a state-machine architecture (menu, playing, paused, game-over).
- Implemented a combo/XP/level-up progression system with power-ups, asset preloading/caching, and error recovery for stable long-session gameplay.

Education

GGSIU – Institute of IT & Management, Janakpuri

MCA, Information Technology (2024 – 2026, Ongoing) | BCA, Information Technology (2021 – 2024)

Certifications and Achievements

- Wipro Java J2EE Certification** – Enterprise Application Development (2023)
- 1st Place** among 50+ teams – ODE TO CODE, Techno Sapiens AIEC (Mar 2024); **1st Place** – CSS Battle, MATRIX Internware IITM (Oct 2023)