

# Sameer Singh

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## Summary

Full-Stack Developer experienced in building high-performance web applications from frontend to backend. Strong in React, Next.js, Node.js, databases, and cloud deployments, with hands-on experience solving real-world scalability and concurrency problems.

## Education

Bennett university, Greater Noida

(2023- 2027)

( Bachelor of technology in Computer Science Engineering )

- CGPA - 8.01

## Technical Skills

- **Languages:** JavaScript (JS), TypeScript (TS), C++ (DSA)
- **Frontend Libraries / Frameworks:** React.js, Next.js, ShadCN , TanStack Query, Zustand
- **Backend Frameworks / Tools:** Node.js, Express.js, tRPC, Inngest, Appwrite, Clerk, Better Auth, NEXT Auth.js
- **Databases:** MongoDB, SQL, PostgreSQL
- **Cloud & Media Tools:** ImageKit, Stream SDK
- **Version Control & Collaboration:** GitHub
- **Deployment & DevOps:** Docker, Vercel, Render, GitHub

## Projects

### Airplane Backend & Flight Service System

(Backend – Microservices | Node.js | Express.js | MySQL | MVC.)

- Built **two independent microservices**: **Flight Service** (airports, flights, schedules) and **Booking Service** (seat allocation, bookings, transactions).
- Implemented **idempotency mechanisms, concurrency control**, and **race condition** handling to ensure reliable booking operations under concurrent requests.
- Designed **scalable service architecture** with clean separation of concerns and structured inter-service communication.
- Ensured **data consistency** and **transactional safety** for seat management and booking workflows in real-world scenarios.

### Snapgram

(Full Stack | React | TypeScript | Appwrite | Tailwind CSS | TanStack Query)

- Built a **full-stack social media platform** inspired by Instagram with authentication, post creation, profile management, and content discovery.
- Implemented **infinite scrolling feeds** and optimized data fetching using **TanStack Query** for smooth, low-latency user interactions.
- Designed a **responsive, mobile-first UI** with Tailwind CSS, delivering a native app-like experience across devices.
- Developed features including **Explore page, Saved posts, User profiles**, and **Drag-and-drop media uploads**.
- Integrated **role-based access and secure authentication using Appwrite**, with robust form handling and validation via ShadCN Forms and Zod.

### CreateKit – AI SaaS Platform

( Full Stack | React 19 | Node.js | Express 5 | TypeScript | PostgreSQL | Clerk | Cloudinary )

- **Engineered** a full-stack AI toolkit using React 19, Node.js, Express, and PostgreSQL, enabling authenticated content and image generation workflows.
- Integrated **Gemini API via OpenAI** and **Krea API** for article generation, AI image creation, background/object removal, and resume analysis.
- Built secure REST APIs with Clerk authentication, structured creation management, and publish/share capabilities.
- Implemented in-memory file handling, PDF parsing, and cloud media storage using **Multer + Cloudinary**, following serverless architecture best practices.

## Work Experience

( June 2024–Jan 2025 )

- Built the entire frontend architecture from scratch using **React, Tailwind CSS, and Framer Motion**, delivering a modern, animated social-commerce platform.
- Designed scalable UI systems enabling sellers to manage products and buyers to explore shops seamlessly.
- Implemented responsive, high-performance interfaces optimized for mobile-first user experience.