

# Shubham Siwach

## Software Developer

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### SUMMARY

Full Stack Software Developer with 1.7+ years of experience building scalable B2B web applications using React, Next.js, Node.js, TypeScript, and Kafka. Skilled in optimizing performance and integrating cloud-based solutions with AWS, Docker, and CI/CD pipelines. Currently expanding expertise in Django and AI/ML.

### EXPERIENCE

#### Software Developer

*Happiest Minds Technologies*

August 2023 – Present

*Noida, Uttar Pradesh, India*

- Revamped PepsiCo's B2B landing page, reducing load times to under 10ms and improving user experience.
- Engineered an integrated notification dashboard that centralizes alerts and reduces issue resolution time by 30% within the first month.
- Optimized database queries, cutting data import and retrieval times by 40% for high-traffic applications.
- Integrated Kafka for data enrichment and robust event-driven processing in backend services.
- Collaborated with clients to refine solutions, leading to a 10% increase in satisfaction.

### PROJECTS

#### Crunchyroll Anime & Video Streaming

*Next.js, Nest.js, Kafka, HLS, Supabase, MongoDB, Tailwind CSS, FFmpeg*

- Engineered a high-performance anime streaming platform with adaptive bitrate streaming using HLS and FFmpeg.
- Architected a scalable Next.js frontend and a robust Nest.js CMS for efficient content management.
- Leveraged Kafka for real-time data enrichment and managed event-driven video encoding pipelines.
- Enabled geo-location-based content recommendations for personalized video availability.
- **GitHub:** [Crunchyroll Anime Streaming Repo](#)

#### Manga Reader - Online Manga & Book App

*Next.js, Tailwind CSS, NextAuth, MongoDB*

- Created a high-performance platform for manga and book reading with optimized image loading for seamless user experience.
- Integrated Google authentication using NextAuth for secure user access.
- Built a nested comment system that boosted reader engagement by 25%.
- **Live Demo:** [Manga Reader](#) **GitHub:** [Manga Reader Repo](#)

#### Mero - Real-Time Meeting & Whiteboard

*Next.js, LiveBlocks, Canvas API, Clerk, Convex, Tailwind CSS, ShadCN*

- Designed a real-time collaborative meeting platform with an interactive whiteboard for brainstorming sessions.
- Integrated LiveBlocks for seamless real-time collaboration and Convex for efficient data synchronization.
- Implemented role-based access control using Clerk to secure meeting room management.
- **Live Demo:** [Mero - Real-Time Collaboration](#) **GitHub:** [Mero Repo](#)

### TECHNICAL SKILLS

**Backend Development:** Node.js, Nest.js, TypeScript, JavaScript, Python, Django, REST APIs, Kafka

**Frontend Development:** React.js, Next.js, React Native, Tailwind CSS

**Cloud & DevOps:** AWS, Docker, Jenkins

**Databases:** MongoDB, SQL, Firebase

### EDUCATION

**Maharishi Markandeshwar University**

*Bachelor of Technology in Computer Science | CGPA: 9.00/10.00*

Ambala, Haryana

2019 – 2023