

Nikhil Sai Ankill

Software Development Engineer

+91 8374056888 | Hyderabad, Telangana | nikhilsaiankilla@gmail.com | LinkedIn | GitHub | Portfolio

Professional Summary

Software Development Engineer with a focus on scalable system design and high-performance full-stack development. Proficient in JavaScript, TypeScript, and Java, with experience in building robust backends using Node.js, microservices, and REST APIs, alongside strong frontend skills in React.js and Next.js. Skilled in deploying and managing large-scale systems on AWS and Vercel, with hands-on experience in implementing CI/CD pipelines for seamless integration and delivery.

Work Experience

Freelance Software Development Engineer — NGO & Startups Clients

Jan 2025 – Present

Tech Stack: Node.js, Express.js, Java, React.js, Next.js, Firebase, MySQL, AWS, Razorpay, Recharts, Tailwind CSS

- Engineered backend APIs and JWT authentication flows, optimizing Firestore schemas for scalability (500+ active users).
- Integrated Razorpay with webhook-based automation, reducing manual payment reconciliation by 70%.
- Streamlined deployments by implementing CI/CD pipelines (GitHub Actions, AWS), cutting release times by 40%.
- Optimized database queries and API responses, achieving a 35% improvement in application load times.
- Re-architected legacy workflows into microservices, improving maintainability and enabling independent scaling.

Projects

Dumcel (React Cloud Deployment Platform)

Code - 2025

Tech Stack: Node.js, Microservices, Docker, AWS (ECS, ECR, S3, EC2), Kafka, Redis, MongoDB, ClickHouse, React.js

- **Architected and built a scalable cloud deployment platform** to deploy React applications with custom subdomains, simulating services like Vercel.
- **Systematically designed** microservices covering API handling, project builds (using **Docker/ECR and AWS ECS**), and scalable request proxying with **Redis/MongoDB caching** to handle high throughput.
- Implemented real-time deployment state updates (queued → progress → ready) via WebSockets (implied).
- Engineered a reliable, high-throughput data pipeline using **Kafka and ClickHouse** for centralized, real-time container log analysis.
- Implemented authentication and comprehensive multi-user project support.

Job Nextly Platform

2025

Tech Stack: Node.js, Firebase, Next.js, Gemini API, Recharts

- Built a job application tracker featuring Gmail synchronization and manual updates.
- Integrated the Gemini API to analyze uploaded resumes and provide targeted feedback.
- Implemented secure authentication (Google, GitHub) with Firestore data models for multi-user support.
- Designed interactive analytics dashboards to provide insights on application trends.

Technical Skills

Languages:	JavaScript, TypeScript, Java
Architecture/Design:	System Design , Microservices, Scalability, REST APIs, JWT, Load Balancing
Backend/Frameworks:	Node.js, Express.js, NextAuth.js
Frontend/UI:	React.js, Next.js, Tailwind CSS, SCSS
Databases/Messaging:	MySQL, Firebase Firestore, MongoDB, ClickHouse, Kafka , Redis, Prisma, Supabase
DevOps/Cloud:	AWS (EC2, S3, Lambda, ECS, ECR), Docker, Vercel, CI/CD, Render, Git

Education

Sri Indu College of Engineering and Technology

B.Tech in Data Science

Nov 2021 – July 2025

Achievements & Certifications

- Organized and led a coding event with 60+ participants, creating problem statements based on real-world software challenges.
- Successfully delivered multiple production-grade freelance projects with integrated payments, analytics dashboards, and scalable deployments.
- React.js & Node.js Complete Guide (Udemy) – Certificate