

ROHAN RAJENDRA KHEDEKAR

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PROFESSIONAL SUMMARY

AI-Enabled Full-Stack Software Engineer with 6+ years of experience building scalable, cloud-native applications and high-throughput data platforms. Expert in React/Next.js and Node.js ecosystems, specialized in integrating Generative AI (AWS Bedrock, LLM orchestration) and intent-driven development (Google Antigravity). Proficient in modern data engineering (dbt, Airflow, Snowflake) and AWS serverless architecture, with a proven track record of modernizing enterprise stacks across pharmaceutical, fintech, and agri-tech sectors.

TECHNICAL SKILLS

AI / ML:	Generative AI, AWS Bedrock, Google Antigravity, Prompt Engineering, LLM Orchestration
Frontend:	React, Next.js, TypeScript, Redux, Svelte, Styled-Components, React Query, Module Federation
Backend & Data:	Node.js, Express, NestJS, Python/Django, GraphQL, dbt , Airflow , Snowflake , Sequelize
Cloud & Infra:	AWS (Lambda, API Gateway, Kinesis, S3, Bedrock, DynamoDB), GCP (Cloud Run), Terraform, Docker
Databases:	PostgreSQL, MongoDB, DynamoDB, Snowflake
Quality & DevOps:	Jest, React Testing Library, k6 Load Testing, CircleCI CI/CD, DataDog Monitoring

PROFESSIONAL EXPERIENCE

Full Stack Developer | Sanofi, *Hyderabad* Feb 2025 – Present

Simple2Know — AI-Powered Knowledge Assistant

- Developing an AI-driven knowledge assistant for ServiceNow using AWS Bedrock and Lambda-based LLM orchestration to automate complex troubleshooting workflows.
- Recognized as an internal Author Community Expert for driving product development and Gen-AI integration strategies.

BGaaS (Batch Genealogy as a Service) — Data Engineering & Lineage

- Optimized pharmaceutical data lineage by developing transformation models in **dbt** and **Snowflake**, including writing complex SQL queries and updating stored procedures.
- Managed and scheduled end-to-end data pipelines using **Airflow DAGs**, ensuring high availability and traceability for critical supply chain data.
- Executed Node.js 14 to 22 migration with zero downtime, upgrading all dependencies and resolving legacy compliance violations.
- Built an automated k6 load testing framework integrated into CircleCI, reducing manual GXP validation effort by 40%.

Race Simulation — AWS Infrastructure Migration

- Implemented core infrastructure-as-code (Terraform/Terragrunt) to migrate high-performance race simulation data to Sanofi's AWS environment.
- Architected real-time telemetry streaming pipelines using Kinesis, Firehose, and WebSocket APIs to support live data processing.

Full Stack Developer | Pi Techniques, *Mumbai* Dec 2023 – Feb 2025

- VChat & VLink:** Architected a Micro-Frontend (MFE) ecosystem using Module Federation, enabling independent deployment for a multi-team NestJS + Next.js monorepo.
- Optimized RESTful APIs to reduce client-server latency by 25% through efficient payload management and advanced caching strategies.

Full Stack Developer | Syngenta Services Pvt. Ltd., *Pune* Jan 2022 – Dec 2023

- Cropwise Commodity:** Leveraged **React Query** for efficient server-state management and caching, improving frontend responsiveness and reducing redundant network requests by 30%.
- Integrated **PhraseApp** to manage platform-wide localization, enabling support for multiple languages and regional formats for a global user base.
- Shipped a reusable React component library and utilized CloudBees Rollout for feature-flagged canary releases.

Full Stack Developer | Deepthingz Pvt. Ltd., *Mumbai* Aug 2020 – Jan 2022

- IoT Monitoring & SCADA:** Implemented **WebSockets** and Node.js to deliver real-time telemetry updates for monitoring dashboards, ensuring sub-second latency for live data visualization.
- Authored complex **MongoDB aggregation pipelines** to process and visualize historical sensor data, providing utility clients with deep consumption insights.
- Developed interactive SVG/Canvas schematics for municipal water and electricity distribution networks.

HACKATHONS

PromptWars: Virtual Hackathon | Participant — VenueFlow 2026

- Built **VenueFlow**, a real-time crowd management assistant using **intent-driven development** with Google AntigraVity to optimize large-scale sporting venue safety.
- Architected a sandboxed Node.js and WebSockets backend for real-time density streaming and a modular React UI featuring WCAG-compliant High-Contrast Accessibility.
- Integrated Google Maps Transport API for dynamic gate routing and deployed to Google Cloud Run with >90% test coverage.

NOTABLE PROJECTS

- **Schoomze**: Full-stack WebRTC/WebSocket chat application with robust reconnect logic and AWS deployment.
- **Mashup**: Cross-platform music streaming app featuring offline caching and secure media APIs (React Native/Node.js).

EDUCATION

Master of Computer Science | Mumbai University 2021