

SANDEEP KHEDE

Full Stack Engineer

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SUMMARY

Full Stack Engineer with 5+ years of experience building production SaaS platforms and distributed systems using TypeScript, Node.js, NestJS, React, PostgreSQL, Redis, GraphQL, Kafka, and RabbitMQ. Built cloud cost management applications serving 3,000+ users across 100+ organizations and processing 10M+ cost/usage records. Experienced in microservices, event-driven architecture, RAG/LLM applications, real-time systems, and cloud infrastructure across AWS and other cloud service providers.

TECHNICAL SKILLS

Languages & Frameworks: TypeScript, JavaScript (ES6+), Node.js, NestJS, Express.js, React.js, Next.js, Redux Toolkit

Backend & APIs: REST APIs, GraphQL, Microservices, API Design, WebSockets, Event-Driven Architecture

Databases: PostgreSQL, SQL, Prisma ORM, MongoDB, Redis

Messaging: Apache Kafka, RabbitMQ, Asynchronous Processing, Message Producers/Consumers

AI / LLM: RAG, Embeddings, Vector Databases, LLM API Integration, Prompt Engineering

Cloud & DevOps: AWS, Microsoft Azure, Docker, Kubernetes, Terraform, GitHub Actions, Jenkins, CI/CD

Security & Testing: OAuth 2.0, JWT, RBAC, Authentication, Authorization, Jest, React Testing Library, Cypress, Playwright

EXPERIENCE

WEBKORPS SOLUTIONS — SOFTWARE ENGINEER

Indore, India | Apr 2023 – Present

- Engineered services for a cloud cost management platform serving more than **3,000+ users across 100+ organizations**, managing AWS data across **1,000+ cloud accounts and subscriptions**.
- Built scalable NestJS, Node.js, Express.js, PostgreSQL services powering **100+ REST/GraphQL APIs** for cost analytics, budgets, reporting, and cloud-resource workflows.
- Delivered full-stack features using TypeScript, React, and GraphQL across cost dashboards, reporting, cloud-account management, and user workflows.
- Designed PostgreSQL/Prisma data layers supporting **10M+ cost and usage records** across organizations, cloud accounts, resources, budgets, and reporting workflows.
- Integrated Kafka and RabbitMQ for cloud-data ingestion, background processing, notifications, and service communication, processing **500K+ events/day**.
- Built RAG/LLM features using embeddings and vector databases, enabling natural-language retrieval across **100K+ indexed records**.
- Implemented Redis caching, reducing repeated database operations by **35%** and improving targeted API response times by approximately **30%**.
- Implemented OAuth 2.0, JWT, and RBAC across **100+ protected APIs**, supporting 6+ user roles and organization-level access controls.
- Containerized services with Docker/Kubernetes and provisioned infrastructure with Terraform across AWS/Azure.
- Automated CI/CD and testing with GitHub Actions, Jenkins, Jest, React Testing Library, and Cypress, reducing manual deployment effort by **60%** and achieving approximately **75% test coverage**.

SOLVEKARD — ASSOCIATE SOFTWARE ENGINEER (FULL STACK)

Indore, India | Feb 2021 – Apr 2023

- Developed Node.js/Express.js services supporting **5,000+ users** across profiles, leads, automated follow-ups, contacts, and business workflows.
- Built React.js workflows integrated with REST APIs for onboarding, lead management, contact exchange, and automated follow-ups.
- Implemented WebSockets supporting **500+ concurrent connections** for real-time contact exchange and application updates.
- Implemented Google OAuth, JWT, and RBAC across protected workflows, supporting 4+ user roles and role-based access control.
- Owned features from requirements through implementation, testing, deployment, and production support production issues.

EDUCATION

DAVV / Shri Vaishnav Institute of Management — Bachelor's Degree in Computer Science 2015 – 2019