Yaswanth Narisetty

Full-Stack Engineer | MERN Stack | Multi-Tenant Authentication

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Summary

Full-Stack Engineer with **4+ years** of production experience building and maintaining MERN-based SaaS applications. Specialized in authentication systems using **Okta SSO/MFA**, scalable backend APIs, and performance optimization supporting **100K+ users** globally. Strong experience in production support, reliability, and end-to-end feature delivery.

Technical Skills

Frontend: React.js, Next.js, TypeScript, Redux, Tailwind CSS, Storybook, component libraries
Backend: Node.js, Express.js, REST APIs, Apollo GraphQL (Server/Client)
Database & Cache: MongoDB (sharding, indexing), Redis (Cloud, ElastiCache), Bull/BullMQ queues
Auth & Security: Okta SSO, MFA implementation, RBAC, OAuth 2.0, JWT, session management, GDPR compliance
Cloud & DevOps: AWS EC2, S3, GitHub Actions (CI/CD), Docker (basics)
Testing & Tools: Jest, React Testing Library, Playwright, TDD, Git, Jira, Postman
Familiar: MySQL (academic), Python (basic)

Professional Experience

Full-Stack Engineer, VITHI IT (Client: ResMed) — Hyderabad, India   Jun 2022 – Present
Supporting 5 applications: ROC/GSS (primary), Service Suite, Supplier Connect, LATAM Marketing, ResAI Bot.

- Built and owned a centralized authentication system using **Okta SSO, MFA, and RBAC**, serving **100K+ users** across **8 applications** in **100+ countries** with session federation across 3 tenants.
- Reduced authentication latency by **40%** (500ms → 300ms) via Redis caching layer, Bull/BullMQ async queues, Apollo GraphQL optimization, and MongoDB indexing.
- Maintained **99.9% uptime** through zero-downtime AWS EC2 deployments, structured logging, circuit breakers, and rapid incident response for mission-critical healthcare applications.
- Built scalable RESTful and GraphQL (Apollo) APIs handling **5K+ requests/minute** with request validation, cursor pagination, rate limiting, and backward compatibility.
- Shipped full-stack features from design to production, accelerating UI delivery by **30%** through reusable React component libraries and design systems.
- Implemented **GDPR-compliant** data workflows with automated user deactivation, privacy controls, and audit logging; built fault-tolerant MFA with anti-deadlock flows and state recovery mechanisms.

Full-Stack Developer Intern, Zemoso Technologies — Hyderabad, India   Feb 2022 – Jun 2022

- Designed and shipped reusable **React component library** with Node.js RESTful APIs, increasing user engagement by **20%**.
- Led **TypeScript migration** initiative with comprehensive testing strategy, reducing production defects by **30%**.

Featured Projects

ROC (ResMed Online Connect) — Unified Authentication Platform   Jul 2022 – Present
Next.js, TypeScript, Node.js, Apollo GraphQL, Redis, AWS EC2/S3, Okta, MongoDB

- Reduced new application onboarding time from **3 days to 30 minutes** via automated tenant provisioning and self-service workflows.
- Implemented **internationalization (i18n)** supporting **14 languages / 22 locales** with locale-aware routing.

Service Suite — Enterprise SaaS Management Platform   Jul 2024 – Present
Next.js, TypeScript, Node.js, Express.js, MongoDB, React, Figma

- Owned end-to-end feature development from Figma wireframes to production: multi-tenant admin interfaces, hierarchical RBAC, and row-level security for tenant data isolation.
- Architected comprehensive audit trails and compliance tracking for enterprise data governance.

Education

B.Tech, Computer Science Engineering — Pace Institute of Technology & Sciences,   Jun 2022
Ongole
GPA: 8.01/10 | Relevant Coursework: Data Structures, Algorithms, DBMS, Computer Networks