

Syed Abdul Aziz

Software Engineer | Hyderabad, India

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Professional Summary

Software Engineer with 4+ years of experience designing and building scalable backend systems for learning platforms in fully remote, distributed teams. Supported production systems serving 100K+ trial users and ~5,000 paid users, including event-driven and rate-limited workflows. Led backend architecture and service development from scratch to transform an offline LMS into a production-ready online platform.

Technical Skills

Backend: Node.js, JavaScript, TypeScript, NestJS, Express.js, GraphQL, REST APIs, Microservices, Kafka, Redis, BullMQ, WebSockets, Authentication & Authorization (JWT, OAuth)

Databases: MongoDB, PostgreSQL, Data Modeling, Indexing, Transactions, ACID

System Design & Architecture: Distributed Systems, Scalable System Design, Event-Driven Architecture, Fault Tolerance, Rate Limiting, Retry Strategies, Idempotency

Frontend: React.js, Next.js, Material UI (MUI), Tailwind CSS

Cloud & DevOps: AWS, Azure, Docker, Nginx, Git

Testing & Tooling: Jest, Unit Testing, Integration Testing, Jira

Experience

ESUHAI (via GoEnglishX - Payroll) | Senior Software Engineer (Remote)

Jul 2025 – Present

- Led backend architecture to transform an offline LMS into a scalable online platform.
- Architected backend services from scratch, owning Authentication and Media services end to end and co-developing Program and Scheduling services.
- Designed a secure authentication and session management system with token-based auth, Redis-backed sessions, rate limiting, and audit logging in PostgreSQL.
- Built a scalable media service using Azure Blob Storage and CDN, implementing access control strategies and environment-driven URL and caching policies.
- Designed event-driven workflows using Kafka and Redis (BullMQ) for scalable, reliable background processing.
- Led architecture discussions, reviewed pull requests, and contributed to design decisions in a backend team.

NativeX (via GoEnglishX - Payroll) | Software Engineer II (Remote)

Apr 2023 – Jun 2025

- Contributed to production systems for an English learning platform serving 100K+ trial users and ~5,000 paid users.
- Progressed from frontend to backend ownership, contributing to Identity, Wallet, Scheduling, and Notification services.
- Designed a weekly pacing notification system for paid users, aggregating cross-service data and reliably delivering Kafka-driven notifications under strict rate limits (500/min).
- Built backend workflows for paid users, enforcing eligibility rules, purchase limits, credit allocation, and package constraints via internal admin APIs.
- Actively monitored cloud logs and debugged critical registration and mobile number validation flows in production.
- Improved backend logging quality, reducing noise while preserving diagnostics and cutting logging costs by ~25%.

Topica (via Skuad - Payroll) | Software Engineer (Remote)

Nov 2021 – Mar 2023

- Joined as an intern and converted to a full-time Software Engineer within three months based on performance.
- Built responsive, reusable frontend components for Edumall, an online learning platform, contributing to production releases.
- Contributed to the development and launch of NativeX by implementing core frontend features used by early users.
- Collaborated with cross-functional, remote teams across India and Vietnam in Agile sprints and code reviews.

AWARDS & RECOGNITION

Best Stand-alone Remote Contributor – NativeX

2023

- Recognized for independently delivering backend and operational features through direct collaboration with the manager, often without formal PRDs, and improving workflows for the ops team in a remote-first environment.

Education

JNTUH, Hyderabad - B.Tech in Computer Science Engineering

Aug 2016 - Feb 2021