

# Syed Abdul Aziz

Software Engineer | Hyderabad, India

+91 8328082973 | [syedaziz9999@gmail.com](mailto:syedaziz9999@gmail.com) | [linkedin.com/in/syed-abdul-aziz/](https://linkedin.com/in/syed-abdul-aziz/)

## 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