

Syed Ahamed

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PROFILE SUMMARY

Backend Developer with 3.0 years of experience building secure, scalable systems using REST APIs and AI-driven solutions across finance and healthcare domains. Skilled in designing robust architectures and integrating advanced features like RAG and voice-based agents. Currently enhancing expertise in Data Structures & Algorithms (DSA), security measures, and Docker-based containerization to deliver high-performance, reliable backend systems.

WORK EXPERIENCE

ILM UX Pvt. Ltd

NodeJS Backend Developer

July 2022 - June 2025

Navi Mumbai, India

- Design, develop, and maintain scalable APIs to support high-performance applications.
- Optimize algorithms to improve system efficiency, speed, and resource utilization.
- Conduct comprehensive unit testing to ensure code quality, functionality, and reliability.
- Create and maintain detailed API documentation for ease of use and integration.
- Perform code reviews to identify potential vulnerabilities, improve code quality, and ensure adherence to best practices.
- Conduct API penetration testing to identify and mitigate security risks and vulnerabilities.
- Collaborate with front-end teams to ensure seamless integration and system performance.

SKILLS

- **Backend Technologies:** Node.js, Express.js
- **Programming Languages:** JavaScript, TypeScript
- **Databases:** MySQL, Neo4j, MongoDB, Redis
- **Testing/ Tools:** Postman, Jest, Git, ORM, Sequelize, Typeorm
- **Security Tools:** JWT Authentication, RBAC Authorization
- **Additional Skills:** Web Scraping, WebSockets
- **AI Tools:** Chatbots, RAG, Generative AI, MCP Server, Langchain, Livekit

PROJECTS

Voice-Based AI Agent:

Role: AI Engineer/Backend Developer

- Developed a voice-enabled AI agent that presents PDF content and engages users in contextual, knowledge-based conversations, enhancing user interaction and content accessibility.
- Implemented a real-time credit tracking system that dynamically syncs user credits upon voice agent usage for accurate, scalable usage tracking.

Wealth Management System:

A relationship-mapping platform that visualizes connections between individuals and companies, enabling businesses to identify potential clients, understand influence networks, strategically pursue new opportunities.

Role: NodeJS Backend Developer

- Scrapped and processed 150K+ records from website UI using Cheerio to support customer acquisition and accelerate business growth.
- Improved Neo4j query performance by 90%, reducing the time to export a person along with their entire family from 20 seconds to 2 seconds.
- Developed an AI-powered RAG application for financial analysis, leveraging SQL to manage complex databases and create dynamic charts for real-time data visualization.

Digital Healthcare Assessment:

A web-based application designed to streamline healthcare assessment submissions for providers and elderly patients. It enhances data accuracy, improves usability, and reduces administrative burden through a simplified digital workflow.

Role: NodeJS Backend Developer

- Developed a secure, multi-lingual healthcare application with role-based access control (RBAC) to ensure data privacy and compliance with healthcare standards.
- Integrated an extensive patient assessment module comprising a large set of questions in 5+ languages, enabling global accessibility and consistent data collection across regions.

Achievements And Honors:

- Discovered an account takeover vulnerability in a social media app with 3 million users, reported it responsibly and received acknowledgment and appreciation for enabling a prompt fix

Certifications:

- **Anthropic:** [MCP: Build Rich-Context AI Apps](#).
- **Graph Academy:** [Neo4j Certified Professional](#).
- **GUVI:** [Programming Using Python](#).

Education:

Bachelor of Computer Applications (BCA)
Periyar Arts and Science College,
Thiruvalluvar University

2017 - 2020