

SYED AHAMED

BACKEND DEVELOPER | NODE.JS

CONTACT INFO

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PROFESSIONAL SUMMARY

Backend Developer with 3+ years of experience building secure, scalable systems using REST APIs, WebSockets, and AI-driven solutions in finance and healthcare domains, Actively strengthening in data structures and algorithms (DSA) and Docker-based containerization.

WORK EXPERIENCE & PROJECTS

Backend Developer | ILM UX Pvt. Ltd.

JULY 2022 – JUNE 2025

AI Voice-Based Agent with SQL-RAG Integration:

- Built a voice-enabled agent that presents PDF content and engages users in contextual, knowledge-based conversations.
- Developed an AI-powered RAG application for wealth management, utilizing SQL to manage complex databases and create dynamic charts for real-time data visualization.

Financial & Wealth Management System:

- Scraped 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.

Multi-Lingual Healthcare Management System:

- Developed a secure, multi-lingual healthcare application with role-based access control (RBAC).
- Integrated a large patient assessment question set into the database in 5+ languages

SKILLS

- Backend Technologies: Node.js, Express.js, NestJS
- Programming Languages: JavaScript, TypeScript, Python
- Database: MySQL, MongoDB, Neo4j
- Testing/ Tools: Burp Suite, Postman, Jest, Git, ORM
- Security: JWT Authentication, RBAC Authorization

EXPLORED & APPLIED SKILLS

- AI: Domain-Specific Chatbots, RAG with SQL, Generative AI, MCP Server
- AI Frameworks: Langchain, Livekit
- Additional Skills: Web Scraping, WebSockets, Api Penetration testing

ROLES & RESPONSIBILITY

- 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 frontend teams to ensure seamless integration and system performance.

CERTIFICATION



MCP: Build Rich-Context AI Apps

Certification ID : Anthropic



Neo4j Certified Professional

Certification ID : GraphAcademy.



Programming Using Python

Certification ID : GUVI Certification

CURRENTLY ENHANCING SKILLS IN:

- DATA STRUCTURES & ALGORITHMS (DSA): STRENGTHENING PROBLEM-SOLVING SKILLS AND IMPROVING EFFICIENCY IN CODE OPTIMIZATION AND ALGORITHM DESIGN.
- DOCKER: LEARNING THE BASICS OF CONTAINERIZATION AND ITS USE IN DEVELOPMENT.

ACHIEVEMENTS & HONORS

- DISCOVERED AND DISCLOSED A MAJOR VULNERABILITY IN A LEADING INDIAN TELECOM PLATFORM AFFECTING OVER 387 MILLION USERS. THE ISSUE WAS ALREADY UNDER INTERNAL REVIEW, AND MY REPORT HELPED PRIORITIZE THE FIX.[🔗](#)
- 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.[🔗](#)

EDUCATION

Bachelor of Computer Applications (BCA), Thiruvalluvar University – 2020 CGPA – 6.52