SYED AHAMED

BACKEND DEVELOPER | NODE.JS

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PROFESSIONAL SUMMARY

Backend Developer with 3 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.

SKILLS

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

WORK EXPERIENCE & PROJECTS

Backend Developer | ILM UX Pvt. Ltd.   JULY 2022 – JUNE 2025

Voice-Based AI Agent:

- Built a voice-enabled agent that presents PDF content and engages users in contextual, knowledge-based conversations.

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.
- Developed an AI-powered RAG application for financial analysis, leveraging SQL to manage complex databases and create dynamic charts for real-time data visualization.

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

ACHIEVEMENTS & HONORS

- Discovered and disclosed a major vulnerability in a leading Indian telecom platform affecting 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.🔗

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.

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.

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
- Database: MongoDB, Redis

EDUCATION

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