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   *July 2022 – June 2025*
NodeJS Backend Developer   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, NestJS
- **Programming Languages**: JavaScript, TypeScript, Python
- **Database:** MySQL, Neo4j, MongoDB, Redis
- **Testing/ Tools:** Burp Suite, Postman, Jest, Git, ORM, Sequelize, Typeorm
- **Security**: JWT Authentication, RBAC Authorization
- **AI**: Chatbots, RAG, Generative AI, MCP Server
- **AI Frameworks**: Langchain, Livekit
- **Additional Skills**: Web Scraping, WebSockets, Api Penetration testing

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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 activation and supports multi-agent credit management per account 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

- 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.

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.

Current Enhancing Skills:

- 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 And 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

Certifications:

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

Education:

Bachelor of Computer Applications (BCA)   2017 - 2020
Periyar Arts and Science College,
Thiruvalluvar University