

Anshad M

Software Engineer

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Professional Summary

Results-driven Software Engineer specializing in backend development, cloud integrations, and secure authentication systems. Proficient in building scalable, efficient web applications and microservices using Node.js and Express.js. Experienced in collaborating across DevOps and front-end teams, driving CI/CD implementations and cloud deployments. Enthusiastic about solving complex problems and continuously improving system performance, security, and reliability. **Seeking full-time backend development opportunities to contribute to scalable and secure system architectures.**

Core Skills

- **Programming:** JavaScript, Node.js
- **Web Development:** HTML, CSS, JavaScript, Handlebars (hbs), Express.js
- **Backend:** Node.js, Express.js, RESTful APIs, Authentication (JWT/OAuth)
- **Databases:** PostgreSQL, MongoDB, MongoDB Atlas, Astra DB
- **DevOps & Tools:** Docker, GitLab, Git, Postman, Render, AWS (basic)
- **Professional Skills:** Leadership, Teamwork, Problem-Solving, Time Management

Work Experience

Node.js Developer

Aventus Informatics, Infopark Koratty

Mar 2025 – Jun 2025

- Developed and maintained scalable backend services using **Node.js** and **Express.js** with **PostgreSQL** and **Astra DB**.
- Built and documented secure, efficient **RESTful APIs** for enterprise-level applications.
- Implemented CI/CD pipelines in coordination with DevOps using **GitLab**.
- Designed maintainable schemas and ensured code quality through reviews and testing.

Node.js Developer

Hamdaz Technologies, Calicut

Oct 2024 – Feb 2025

- Engineered backend solutions using **Node.js**, **Express.js**, **MongoDB**, and **PostgreSQL**.
- Secured APIs with **JWT authentication**, enhancing user data protection.
- Managed deployment pipelines using **Docker** and **Render**, optimizing delivery cycles.
- Collaborated with product teams to translate client requirements into robust features.

Projects

VocaVisionary: A Career Guidance Chatbot (Node.js, Firebase, Chat-Bison) [IEEE Publication]

- Developed an AI chatbot for career guidance using the **Chat-Bison model**.
- Incorporated **Sten score-based aptitude analysis** for personalized recommendations.
- Used **Firebase** for real-time backend and secure user management.

- Designed a responsive frontend with **HTML, CSS, JavaScript**.
- Integrated NLP and third-party APIs to enhance decision-making intelligence.

Air Quality Monitoring System (Node.js, WebSockets, Raspberry Pi)

- Built a real-time monitoring system using **Arduino, Raspberry Pi**, and sensors (**MQ-135, DHT11, PM2.5**).
- Set up backend using **Node.js** and stored data with **MongoDB Atlas**.
- Created real-time dashboards with **Chart.js** and **WebSockets**.
- Automated data collection and AQI calculations via **Python scripts**.

Additional Experience

Technical Team Member

MEA IEDC, MEA Engineering College

Aug 2022 – Jun 2023

- Built responsive websites and provided technical support for college initiatives.
- Assisted in organizing tech events, enhancing collaboration and problem-solving skills.

Education

APJ Abdul Kalam Technological University

Jun 2020 – Jun 2024

- B.Tech in Computer Science — *First Class with Honors*

Languages

- **English:** Fluent (Read, Write, Speak)
- **Malayalam:** Native

Certifications

- **APJ Abdul Kalam Technological University** — B.Tech in Computer Science (2024) [Certificate]
- **IEEE Publication** — **VocaVisionary: A Career Guidance Chatbot** (2024) [IEEE Link]
- **Second IEEE International Conference on Advances in Information Technology (ICAIT-24)** — Adichunchanagiri Institute of Technology (2024) [Certificate]