Anshad M

Software Engineer

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Professional Summary

Software Engineer passionate about building scalable and efficient web applications with expertise in back-end development, cloud integrations, and authentication systems. Experienced in developing high-performance applications that streamline operations and enhance user experience, leveraging cloud, DevOps, and secure authentication practices. Strong problem-solving skills, with a keen interest in DevOps, security enhancements, and API-driven architectures.

Core Skills

- **Programming:** C#, .NET Framework, JavaScript, TypeScript, Python

- **Web Development:** HTML, CSS, JavaScript, Handlebars (hbs), Express.js

- **Backend:** Node.js, Express.js, RESTful APIs, Authentication (JWT/OAuth)

- **Databases:** MongoDB, MongoDB Atlas, MySQL

- **DevOps & Tools:** Docker, GitHub, Git, Postman, Render, AWS (basic)

- **Professional Skills:** Leadership, Teamwork, Problem-Solving, Time Management

Work Experience

Technical Proposal Engineer — Software Developer
Hamdaz Technologies, Calicut　　　　　　　　　　　　　　　　　　　*Oct 2023 – Present*

- Developed and optimized backend solutions using **Node.js, Express.js, MongoDB**, improving performance and scalability by 30%.

- Researched and integrated emerging tech trends to enhance technical proposals, leading to a 15% increase in client acquisitions.

- Automated server monitoring processes, reducing downtime incidents by 20%.

- Collaborated with cross-functional teams to build efficient and maintainable software systems.

Software Development Intern
Pixstory, Delhi　　　　　　　　　　　　　　　　　　　　　　　*May 2023 – Jun 2023*

- Designed and developed an internal project tracking system using **Node.js, MongoDB**, reducing processing time by 25%.

- Automated key workflows, improving operational efficiency and saving 10+ hours per week for the team.

Projects

SpookyHaunt - The Ultimate Halloween Experience Online! [Live Website]　　[Demo Video]　　[GitHub]

- Developed an interactive Halloween-themed web platform with real-time event booking, live notifications, and a spooky interactive UI.

- Implemented a secure authentication system with JWT and Nodemailer, enabling password resets and email-based notifications.

- Designed a dynamic haunted house UI using JavaScript and CSS animations, enhancing the user experience.

- Integrated a support ticket system where users submit issues, and admins can respond via an email-based resolution system.

- Built a robust admin dashboard for managing events, bookings, users, and support requests.

- Tech Stack: Node.js, Express.js, JavaScript, Handlebars (hbs), CSS, MongoDB Atlas, Nodemailer

- Hosting Deployment: Render (deployed via GitHub for CI/CD)

VocaVisionary: A Career Guidance Chatbot [IEEE Publication]

- Developed an AI-powered career guidance chatbot using the **Chat-Bison model** (a fine-tuned version of PaLM 2) to assist students in making informed career decisions.

- Integrated aptitude tests with **Sten score-based analysis** to assess user skills and provide personalized career recommendations.

- Implemented user authentication and secure data storage using **Firebase**, while leveraging a real-time database.

- Built a responsive web interface with **HTML, CSS, and JavaScript**.

- The chatbot employs **Natural Language Processing (NLP)** and external career-related APIs to deliver tailored advice, enhancing student engagement and accessibility in career counseling.

Air Quality Monitoring System

- Developed a real-time IoT-based Air Quality Monitoring System using **Raspberry Pi, Arduino, and environmental sensors** such as MQ-135, DHT11, and PM2.5 to detect pollutants.

- Implemented backend processing with **Node.js, Express.js**, and integrated **MongoDB Atlas** for cloud storage.

- Designed a web-based dashboard using **Chart.js** with real-time updates via **WebSockets**.

- Utilized **Python** on Raspberry Pi to read and transmit sensor data for AQI computation, enabling automated alerts and remote monitoring.

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

- **Certified Cyber Security Analyst (CCSA)** — RedTeam [Certificate]

- **C Sharp (C#)** — Udemy [Certificate]