Sayaib Sarkar

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Professional Summary (Software Engineer | 3.6 Years Experience)

Skilled in full-stack development using JavaScript, TypeScript, React, Node.js, and Python. Experienced in building REST and GraphQL APIs, and proficient with MongoDB, SQL, Docker, Kubernetes, AWS, and Azure. Integrated Microsoft Dynamics NAV (SOAP/OData) and developed GPT-4-based XML automation. Adept in responsive UI design (Material UI, Tailwind), unit testing (Jest), and DevOps workflows (Git, CI/CD).

Experience

Optimized Solutions Limited, Ahmedabad, Gujarat
Senior Software Engineer
July 2022 – Present

- Spearheaded the development of four scalable web applications, serving 10,000+ concurrent users with a 99.9% uptime, by collaborating with 10+ cross-functional team members.
- Developed and maintained clean, testable RESTful APIs with Node.js and Express.js.
- Participated in daily client stand-ups and reported progress using project management tools.
- Built an offline-capable DMS integrated with Microsoft Dynamics NAV using HTTP-NTLM, achieving 80% data exchange efficiency with SOAP API.
- Integrated Azure OpenAI into a MERN application to enable intelligent features such as code generation, bug detection, and code optimization.
- Followed agile methodologies, contributing to sprints and retrospectives. Deployed applications on AWS and Azure. Conducted code reviews, and applied static code analysis.
- Wrote unit tests (Jest) and performed debugging and performance tuning.

Software Engineer
January 2022 – June 2022

- Delivered over 10 full-stack modules independently using the MERN stack, ensuring scalable and maintainable code, resulting in a 25% reduction in development time for subsequent projects.
- Adapted quickly to new technologies and integrated mobile/web apps with Microsoft Dynamics NAV.
- Wrote clean, modular, well-documented code and implemented scalable architectures.
- Contributed to technical discussions and architectural decisions.

Bartleby Technologies Pvt Ltd.
Subject Matter Expert
June 2021 – December 2021

Researched and resolved 100+ academic queries with high accuracy under tight deadlines, consistently meeting SLAs and contributing to a 95% student satisfaction rate.

Education

Brainware University	B.Tech (CSE) - GPA: 7.8
Gangarampur High School (HS)	Science - 75.8%

Core Competencies

- ➢ **Full Stack Development:** JavaScript, TypeScript, React, Node.js, Express.js, Python
- ➢ **UI/UX:** Responsive Design, Material UI, Tailwind
- ➢ **Testing & Debugging:** Jest
- ➢ **Version Control & DevOps:** Git, GitHub
- ➢ **APIs & Integration:** REST APIs GRPH-QL, Microsoft Dynamics NAV (SOAP and OData)
- ➢ **Databases:** MongoDB (NoSQL) , SQL
- ➢ **Cloud & Tools:** AWS (S3, EC2), Azure Open-AI(GPT-4), Docker, TensorFlow, Azure App Services, Docker, Kubernetes, Redis, Project Management (ZOHO),

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Projects

Motion Diagram to XML Code Converter using Azure OpenAI GPT-4 (automotive industry)

- **Goal:** Applied fine-tuning on GPT-4 using motion diagram and coding rule datasets to enable intelligent XML code generation for automation workflows.
- **Tech Stack:** Azure OpenAI, GPT-4 (JSONL), Prompt Engineering, Python, MERN Visual Studio Code

Telemedicine Platform with Role-Based Access Patients | Admin and Doctor

Stack: React, Node.js, Express.js, MongoDB, Tailwind, JWT, docker
Highlights:

- Patients can book appointments, consult doctors via video
- Doctors can manage appointments, prescriptions
- Admin can view all users, REST APIs for all operations
- Deployed using Docker

Achievements

DevSnip Pro (50K+ Downloads)
VS Code Extention

- Developed a comprehensive VS Code extension for API testing, MongoDB integration, and efficient console log management.
- Enabled seamless code snippet creation and organization to boost developer productivity.

Certifications

IT Industrial Project Training
AIYCSM

- Gained hands-on experience in real-world software development through structured industrial training.