Mustaq Sohail Shaik

Full Stack Developer | Generative AI Learner | Software Developer

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PROFESSIONAL SUMMARY

Full Stack Developer with 1+ years of experience building scalable, cloud-based, and AI-powered web applications. Skilled in React.js, Next.js, Python, Node.js, and FastAPI with expertise in integrating LLM and generative AI technologies, Retrieval-Augmented Generation (RAG), and secure API workflows. Adept at delivering responsive, user-focused solutions using Supabase, PostgreSQL, and AWS, while ensuring performance optimization and compliance with security best practices. Experienced in Agile development, cross-functional collaboration, and mentoring aspiring developers.

TECHNICAL SKILLS

- **Languages & Frontend:** HTML5, CSS3, JavaScript, TypeScript, React.js
- **Backend & APIs:** Node.js, Express.js, Python, Flask, FastAPI, REST APIs
- **Databases:** PostgreSQL, SQL, Supabase, Firebase
- **Cloud & DevOps:** AWS, Azure, Vercel, Render, GitHub Actions, Docker, CI/CD
- **AI & LLM Tools:** OpenAI, Claude, Gemini, Ollama, Hugging Face, RAG
- **Version Control & Tools:** Git, GitHub, VS Code, Jupyter Notebook, Google Colab
- **Frameworks & Styling:** Bootstrap, Tailwind CSS, SQLAlchemy

PROFESSIONAL EXPERIENCE

Jr. Full Stack Developer Intern

Progress Solutions Inc., Plano, TX | August 2025 – Present (Remote)

- Develop full-stack AI-driven applications integrating LLM and generative AI capabilities for real-world use cases.
- Build and maintain scalable web applications using React, Next.js, Python, Node.js, and FastAPI.
- Integrate LLM APIs (OpenAI, Anthropic, Hugging Face) and self-hosted models with advanced prompt engineering and context-aware workflows.
- Architect and optimize Retrieval-Augmented Generation (RAG) pipelines using vector databases such as Pinecone, Weaviate, and Supabase.
- Implement performance optimization strategies, including API usage monitoring, caching, and streaming for low-latency AI responses.
- Apply secure and ethical AI deployment practices by enforcing RBAC, data privacy compliance, and governance policies.
- Collaborate with cross-functional teams to design, test, and deploy AI-enhanced features in an Agile environment.

Teaching Assistant – Web Technologies

Northern Arizona University, Flagstaff, AZ | January 2025 – May 2025

- Mentored 40+ students in developing responsive, accessible web applications using HTML, CSS, JavaScript, and modern best practices.
- Facilitated weekly live sessions and conducted 1-on-1 troubleshooting to clarify frontend (UI/UX, DOM) and backend (API integration, server logic) concepts.
- Designed and delivered hands-on technical examples and lab exercises covering DOM manipulation, API requests, browser compatibility, and responsive design principles.
- Reviewed and graded 100+ assignments and capstone projects, providing actionable feedback that improved student success rates by 30%.
- Collaborated with faculty to update and modernize the curriculum, adding React fundamentals, Git/GitHub version control, and industry-standard workflows.
- Supported students in debugging, optimizing, and deploying projects, enhancing their problem-solving skills and readiness for real-world development.

Salesforce Developer Intern

Smart Internz · Remote | August 2022 – October 2022

- Developed business automation workflows using Flows and Validation Rules.
- Wrote Apex triggers and test classes to enforce custom logic within Salesforce CRM.
- Built and deployed Lightning Web Components (LWC) to extend CRM UI.
- Integrated third-party APIs into Salesforce using REST API endpoints.

EDUCATION

Northern Arizona University – Flagstaff, AZ

Master of Science in Information Technology | Jan 2024 – May 2025 | GPA: 3.64/4.0