

Amala Jiagbogu

Texas (Open to relocate anywhere) • jiaama752@gmail.com • [Portfolio](#) • [GitHub](#) • [AI Project](#) • [LinkedIn](#)

Professional Summary

Software Engineer and IT professional with hands-on experience developing full-stack applications, automating data workflows, building REST APIs, and deploying cloud-based systems. Skilled in Python, JavaScript/TypeScript, React, .NET, and SQL with a strong foundation in problem-solving, testing, and secure development practices. Experienced in supporting real clients through freelance software and data projects, delivering production-quality solutions. Currently expanding security expertise through the Google Cybersecurity Professional Certificate and seeking roles in Software Engineering, QA, IT Support, Cybersecurity, or Data Analysis.

Technical Skills

Programming Languages: Python, C#, Java, JavaScript/TypeScript, Ruby (familiar)

Frameworks & Tools: React, Node.js, Express.js, .NET Core (fundamentals)

Backend & APIs: REST APIs, Microservices, JSON, Event-driven logic, ASP.NET basics

Databases: MS SQL Server, MySQL, PostgreSQL, MongoDB

Cloud & DevOps: Azure (familiar), AWS basics, Docker, Terraform (learning), Git/GitHub, GitHub Actions CI/CD

AI & Automation: OpenAI API, Generative AI integrations, workflow automation

Cybersecurity: Network Security, Encryption, Secure Coding, Risk Management

Analytics: Advanced SQL querying, trend analysis, anomaly detection, ETL logic, Power BI

Core Competencies: API Development, Data Modeling, ETL Pipelines, Debugging, Systems Thinking, Technical Documentation, Client Communication

Professional Experience

Freelance Software & Data Developer

Remote | 2024–Present

- Deliver full-stack and data automation solutions for small businesses and independent clients.
- Build custom dashboards, scheduling tools, and process-automation workflows using Python, SQL, and cloud services.
- Develop secure, scalable features using React, Node.js, and API integrations.
- Provide troubleshooting, testing, and maintenance support to improve system reliability and user experience.

Solutions Designer

Intellivega — San Angelo, TX | 2022–2024

- Extracted, cleaned, and analyzed operational datasets using SQL, improving reporting accuracy and uncovering utilization trends.
- Engineered data integration workflows to validate multi-source data, aligning closely with ETL pipelines used in enterprise and healthcare environments.

- Automated scheduling and resource-allocation logic using SQL and Python-based processes, reducing operational manual effort.
- Built Power BI dashboards to transform raw data into clear insights supporting client decision-making.
- Created technical documentation and presented analytical findings to non-technical stakeholders.

Projects

AI Roleplay Chatbot — theairoleplay.com

Python • React • Docker • CI/CD

- Built and deployed a full-stack AI chatbot integrating generative AI for text and image responses.
- Implemented secure authentication, persistent storage, and automated CI/CD deployment with GitHub Actions.
- Containerized backend services with Docker, improving portability and simplifying updates.

Game Scheduling System (Team Project)

- Node.js • MongoDB • React
- Developed backend logic for booking management, availability checks, and conflict resolution.
- Created REST-style JSON APIs supporting real-time scheduling workflows.
- Contributed to React UI for a streamlined reservation experience.

CRM Application — Palantir Foundry Demo

Foundry Pipelines • Slate • Workshop

- Built an end-to-end CRM prototype mapping relationships between clients, companies, and interactions.
- Developed data pipelines, transformation logic, and ontology models to support analytics and visualization.
- Delivered a client-facing application demonstrating complete data lineage and reporting.

Education

B.S. in Computer Science, Minor in Cybersecurity — Angelo State University

A.S. in Computer & Information Science — Howard College

Certifications

[Google Cybersecurity Professional Certificate](#) — 2025

Leadership & Involvement

- President, Women in Cybersecurity (WiCyS): Led workshops, mentored students, and organized technical events.
- Senator, WiCyS: Promoted cybersecurity education and community engagement.
- Senator, Student Government Association: Represented student interests for two years.