Anwar Omar

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AI & BACKEND ENGINEER

Computer and Communication Engineer with a Master's in IoT and Smart Systems, experienced in AI/ML, backend development, and cybersecurity. Focused on building secure, scalable software solutions.

KEY COMPETENCIES

- **Backend Development:** Python, Flask, FastAPI, RESTful APIs, WebSockets, pytest
- **AI & LLM Engineering:** LLM Integration, RAG, AI Agents, LangChain, LangGraph, CrewAI, Embeddings, Semantic Search, Vector Stores
- **Machine Learning:** PyTorch, Transformer Models, NLP, Computer Vision, LLM Fine-Tuning, XAI
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis
- **Infrastructure & Development Tools:** Git, Linux, Docker, Kubernetes, AWS
- **Cybersecurity & AI Security:** OWASP Top 10, OWASP Top 10 for LLM Applications, Prompt Injection Testing, Web Application Security

PROFESSIONAL EXPERIENCE

UbilityAI
Software Engineer **June 2025 - February 2026**

- Developed backend services for a no-code platform that enables users to build AI agent systems using CrewAI, Flask, PostgreSQL, REST APIs, and WebSockets.
- Built custom AI agent tools and integrated LangChain tools for email operations, file processing, web search, database queries, HTTP requests, and code execution, etc..
- Implemented RAG workflows using embeddings and vector databases, including Weaviate and Pinecone, to retrieve relevant context for LLM applications.
- Integrated external LLM APIs and developed agent workflows using CrewAI, LangChain, and LangGraph, supporting real-time interactions and streaming responses.
- Optimized LLM workflows by reducing unnecessary API calls and prompt token usage, selecting models for different tasks, and limiting agent iterations and tool calls.
- Improved backend reliability through input validation, error handling, workflow debugging, logging, and monitoring, while contributing to modular service architecture and PostgreSQL query development.

FoxVoid Academy
Software Engineer **March 2026 – Present**

- Contribute to the development and deployment of the academy's online learning platform using PHP, MySQL, API integrations, authentication, user management, and course management functionality.
- Develop technical courses covering software development, cybersecurity, penetration testing, and AI security, including LLM security concepts based on the OWASP Top 10 for LLM Applications.
- Create hands-on cybersecurity and AI security labs to demonstrate vulnerabilities, attack scenarios, and security testing techniques.
- Contribute to an ongoing AI-powered web security testing project, currently developing an intelligent crawler to discover website pages and support automated vulnerability analysis.
- Produce short-form cybersecurity educational videos for Instagram Reels and TikTok, translating technical topics into accessible content.

EDUCATION

Computer & Communication Engineering Diploma
Lebanese University - Faculty of Engineering
2020-2025

IOT and Smart Systems Research Master's
Lebanese University - Faculty of Engineering
2025

LANGUAGES

- **English :** B2
- **French :** B1
- **Arabic :** Native

CERTIFICATION

- Intro to AWS (DataCamp)
- AWS Cloud Technology and Services (DataCamp)