

MUSTAFA

FULL STACK ENGINEER & AI ARCHITECT



SCAN PORTFOLIO

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"High-performance AI Architect specializing in Generative AI, RAG pipelines, and Autonomous Agents. I bridge the gap between complex machine learning models and scalable, production-grade web applications."

TECHNICAL EXPERTISE

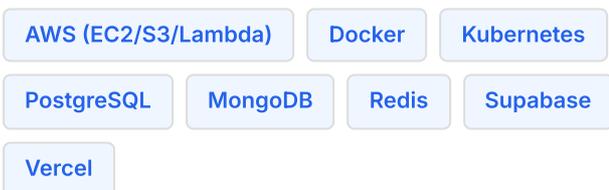
AI & DATA SCIENCE



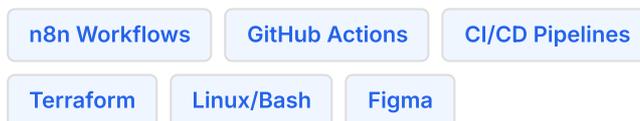
FULL-STACK ENGINEERING



CLOUD & INFRASTRUCTURE



TOOLS & AUTOMATION



PROFESSIONAL EXPERIENCE

Lead AI Solutions Architect

Stealth AI Startup (Remote)

- Designed HIPAA-compliant AI agents utilizing RAG (Retrieval Augmented Generation), reducing patient triage interactions by 60%.
- Engineered "The Automation Lab," a self-healing workflow suite automating CRM data entry using Python and n8n.
- Deployed custom Large Language Model (LLM) interfaces for enterprise data querying backed by Vector Databases.

Senior Full-Stack Engineer

Confidential Enterprise Client

- › Architected scalable web applications serving 100k+ monthly users, prioritizing sub-second latency and HA.
- › Led the migration of monolithic legacy systems to microservices using Node.js and React, improving uptime by 99.9%.
- › Implemented predictive analytics dashboards to visualize complex datasets for business intelligence.

< > KEY PROJECTS

AxiomAssist – AI Dev Docs Platform

Stack: Next.js 14 • OpenAI API • PostgreSQL • Tailwind CSS

- › SaaS platform that autonomously parses API documentation and generates ready-to-use code snippets.
- › Integrated real-time RAG chat, allowing developers to query documentation instantly.

AlignFlow – Project Management System

Stack: React • Zustand • Supabase • WebSocket

- › Engineered a Trello-style application with real-time websocket updates and optimistic UI rendering.
- › Optimized state management to ensure 60FPS rendering performance on all device types.

Automated Quality Control (Vision)

Stack: Python • PyTorch • YOLOv8 • OpenCV

- › Built a real-time object detection model for manufacturing, achieving 99% precision in defect identification.

🎓 EDUCATION

Bachelor of Science in Computer Science

Spec. AI & Data Science

Certifications: Deep Learning Specialization (DeepLearning.AI) • Generative AI with LLMs (Coursera) • Meta Back-End Developer (Meta)