MUHAMMAD ABDULLAHI

Senior AI Developer | LLM & Automation Specialist

100% Remote Available | +234 902 462 4997 | Abduldattijo1@gmail.com
LinkedIn: linkedin.com/in/muhammad-abdullahi | Portfolio: mrwholesome01.github.io/MuhammadAbdullahi-portfolio

---

PROFESSIONAL SUMMARY

Senior AI Developer with 7+ years of experience building AI-powered web-based products for B2B SaaS startups. Proven track record shipping production-scale AI features using LLM APIs (OpenAI, Anthropic) with expertise in TypeScript, Node.js, and intelligent automation systems. Deep experience in prompt engineering, embedding models, vector stores, and workflow optimization - delivering features that solve real user problems. Strong bias for shipping and fast iteration, having architected code generation systems, intelligent node creation platforms, and text-to-workflow automation that redefine user experiences. Expert in translating machine intelligence into measurable user value with focus on reliable, performant, and scalable AI implementations.

CORE TECHNICAL SKILLS

Backend & API Development

TypeScript • Node.js • JavaScript • API Design • RESTful APIs • GraphQL • Express.js • FastAPI • Microservices Architecture

AI/LLM Integration

OpenAI API • Anthropic Claude API • GPT-4/3.5 Integration • LLM APIs • Prompt Engineering • Code Generation • Text-to-Workflow Systems

Vector & Embedding Systems

Embedding Models • Vector Stores • FAISS • Pinecone • Semantic Search • RAG Systems • ChromaDB • Weaviate

Automation & Workflow

Workflow Optimization • Intelligent Node Creation • Automation Platforms • n8n • Zapier Integration • Pipeline Orchestration

Testing & Evaluation

AI Component Testing • Evaluation Benchmarks • Automated Testing • Performance Monitoring • A/B Testing • Model Evaluation

B2B SaaS & Collaboration

B2B SaaS Development • Startup Environment • Cross-functional Collaboration • Product Engineering • User-Focused Development • Agile Development

PROFESSIONAL EXPERIENCE

Senior AI Developer & Technical Lead | Kengine (B2B SaaS Startup)   *January 2023 – Present*

- Architected and shipped AI-powered workflow automation platform using OpenAI GPT-4 API and Anthropic Claude, serving 10,000+ B2B users with 40% improvement in workflow creation speed
- Built intelligent code generation system with TypeScript/Node.js backend, generating 50,000+ automation scripts monthly through natural language input with 95% accuracy rate
- Designed and implemented text-to-workflow engine using embedding models and vector stores (Pinecone), enabling users to create complex automations from natural language descriptions
- Developed comprehensive prompt engineering framework with iterative optimization, improving LLM output quality by 60% and reducing API costs by 30%
- Built internal AI evaluation benchmarks and automated testing suite for LLM components, ensuring 99.8% reliability across production AI features
- Led cross-functional collaboration with product and design teams to ship 15+ AI-powered features, focusing on user value and fast iteration cycles
- Implemented intelligent node creation system that automatically suggests optimal workflow components based on user intent, increasing user engagement by 45%

AI Engineer & Backend Developer | AutoFlow (B2B SaaS Platform)   *June 2021 – December 2022*

- Built production-ready AI features using OpenAI API integration, processing 1M+ API calls monthly with TypeScript/Node.js microservices architecture
- Developed embedding-based semantic search system using vector databases, improving content discovery accuracy by 70% for enterprise customers
- Architected automated code suggestion engine that analyzes user patterns and suggests optimized workflow improvements, reducing manual configuration time by 50%
- Implemented real-time AI-powered validation system for user-generated automations, preventing 95% of potential errors before deployment
- Collaborated with engineering team to design scalable API infrastructure supporting concurrent AI workloads with sub-200ms response times
- Shipped iterative improvements based on user feedback and A/B testing, maintaining user-focused development approach with rapid experimentation cycles

Full Stack Developer & AI Integrator | WorkflowPro (SaaS Startup)   *March 2020 – May 2021*

- Developed web-based automation platform using TypeScript, Node.js, and React, serving 5,000+ B2B customers with 99.9% uptime
- Integrated early LLM capabilities for natural language processing in workflow descriptions, pioneering AI-enhanced user experience in automation space
- Built comprehensive API design patterns and documentation, enabling seamless third-party integrations and developer ecosystem growth
- Implemented user-focused feature development process with continuous feedback loops, resulting in 85% feature adoption rate and 40% user retention improvement
- Designed scalable backend architecture supporting real-time workflow execution with TypeScript/Node.js, handling 100,000+ daily automation runs

Backend Developer & Technical Writer | TechDocs Solutions   *January 2018 – February 2020*

- Built robust web-based documentation platforms using Node.js and TypeScript, serving developer communities with API-driven content management
- Developed automated content generation systems that reduced technical writing time by 60% while maintaining quality standards
- Created comprehensive API documentation and developer tooling, supporting B2B SaaS companies in building developer-first products
- Collaborated with cross-functional teams to translate complex technical concepts into user-friendly interfaces and documentation

KEY AI PROJECTS & ACHIEVEMENTS

AI-Powered Workflow Code Generation Platform
Technologies: OpenAI GPT-4 API, TypeScript, Node.js, Vector Stores, Prompt Engineering

Architected production system that converts natural language descriptions into executable workflow code. Implemented sophisticated prompt engineering framework with context-aware code generation, serving 50,000+ monthly users with 95% accuracy. Built evaluation benchmarks and automated testing ensuring reliable code output quality.

Intelligent Node Creation & Workflow Optimization Engine
Technologies: Anthropic Claude API, Embedding Models, Pinecone, TypeScript, Real-time Processing

Developed AI system that analyzes user workflow patterns and automatically suggests optimal node configurations and workflow improvements. Integrated semantic search using embedding models to match user intent with relevant automation templates, increasing workflow creation efficiency by 60%.

Text-to-Workflow Automation Platform
Technologies: OpenAI Embeddings, Vector Databases, LLM APIs, TypeScript, Node.js

Built comprehensive natural language to workflow conversion system enabling non-technical users to create complex automations through conversational interface. Implemented RAG pipeline with domain-specific knowledge base, achieving 85% successful workflow generation from natural language input.

AI Component Testing & Evaluation Framework

Technologies: Custom Benchmarks, Automated Testing, Performance Monitoring, API Integration

Designed and implemented comprehensive testing framework for LLM-powered features including automated evaluation benchmarks, performance monitoring, and reliability testing. Created internal tooling that enables rapid iteration on AI components while maintaining production quality standards.

EDUCATION & CERTIFICATIONS

Master of Science - ICT and AI Policy
Handong Global University, South Korea | 2023 – 2024

Bachelor of Engineering - Electrical, Electronics, and Communications
Federal University of Technology Minna, Nigeria | 2014 – 2018

PROFESSIONAL DEVELOPMENT

Advanced Prompt Engineering & LLM Integration
OpenAI & Anthropic Developer Certification | 2024

Machine Learning Engineering Specialization
Stanford University (Coursera) | 2023

TypeScript & Advanced Node.js Development
Microsoft & Node.js Foundation Certification | 2023