

# AKEEM OLANREWAJU ARO-LAMBO

## Full-Stack AI Developer | API Integration Specialist | Systems Architect

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### PROFESSIONAL SUMMARY

Full-stack developer specializing in AI-powered applications, API integrations, and scalable web systems. I build production-ready applications that leverage LLM APIs, automate complex workflows, and handle high-traffic loads. My development approach prioritizes clean architecture, API-first design, and systems that generate measurable business results.

**Core focus:** Building AI-integrated web applications, designing RESTful APIs, deploying containerized systems, and creating revenue-generating digital products.

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### TECHNICAL STACK

#### Languages & Frameworks

- JavaScript/Node.js (primary backend language)
- Python (automation, AI integration, data processing)
- PHP (WordPress, custom CMS development)
- HTML5, CSS3, JavaScript (frontend)
- Bash scripting (server automation)

#### AI & API Integration

- OpenAI API, Groq, OpenRouter integration
- Prompt engineering and LLM workflow design
- Firebase (authentication, real-time database, cloud functions)
- Supabase (PostgreSQL, real-time subscriptions, storage)
- RESTful API design and implementation
- Webhook architecture and event-driven systems

#### Backend Development

- Node.js application architecture
- Express.js API development
- n8n (low-code automation platform with custom code nodes)
- Database design and optimization (MySQL, PostgreSQL, Firebase)
- Authentication systems (JWT, OAuth)
- Payment gateway integration

#### DevOps & Infrastructure

- Docker containerization and Docker Compose
- VPS management (Ubuntu/Linux administration)
- HestiaCP, CWP, Dokploy, Coolify deployment platforms
- CI/CD pipeline setup
- SSL certificate management and security hardening
- Automated backup and disaster recovery systems
- Server monitoring and performance optimization

## Frontend & UI

- Responsive web design (mobile-first approach)
- JavaScript DOM manipulation and async programming
- Integration with backend APIs
- Meta Studio, Canva (rapid prototyping)
- Video processing and automation tools

## Development Tools

- Git/GitHub (version control)
- Visual Studio Code
- Postman (API testing)
- Chrome DevTools
- Jira, Microsoft Project (project management)

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# PROFESSIONAL EXPERIENCE

## Founder & Lead Developer

**MetroHyp Digital | Lagos, Nigeria | Remote**

*2017 - Present*

Built and operate a technology services company delivering custom web applications, AI-powered systems, and hosting infrastructure. Handle all architecture decisions, development work, and infrastructure management.

### Production Systems Developed:

- **AI Content Generation Platform:** Architected multi-stage content production system integrating NotebookLM, Groq API, and custom video rendering pipeline. Processes 50-100 video outputs monthly with automated script generation, voiceover synthesis, and batch editing. Built on Node.js with Firebase for asset storage.
- **WhatsApp Business Automation API:** Developed webhook-based system handling inbound messages, automated responses, and CRM integration. Processes 1,000+ messages daily with sub-2-second response times. Built using Node.js + Express with Supabase for message logging.
- **Lead Management Web Application:** Created full-stack CRM system with contact capture, automated email sequences, and analytics dashboard. Built with Node.js backend, MySQL database, and responsive JavaScript frontend. Handles 10,000+ contacts/month for multiple clients.
- **E-commerce Solutions:** Developed custom WordPress/WooCommerce sites with payment integration, inventory management, and order automation. Deployed for schools, NGOs, and retail businesses with 99.8% uptime.

- **Hosting Infrastructure Platform:** Manage 15+ client websites on self-hosted VPS environments using HestiaCP and Docker. Implemented automated deployment pipelines, backup systems, and security monitoring.
- **SEO Analysis Tool:** Built web scraper and analysis dashboard using Python and Node.js that audits site performance, tracks keyword rankings, and generates optimization recommendations via Google Search Console API integration.

#### Development Metrics:

- Deployed 30+ production web applications across different tech stacks
  - Infrastructure serving 100,000+ monthly active users
  - Maintained 99.8% uptime across hosted services
  - Reduced client development costs by 40-60% through automation and efficient architecture
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## Freelance Full-Stack Developer

### International Clients | Remote

2020 - Present

Contract development work for clients in Nigeria, UK, and US markets, focusing on custom web applications and system integrations.

#### Notable Projects:

- **Music Label Management System:** Built artist portal, release scheduling system, and automated distribution workflows. Integrated with streaming platforms and social media APIs. Tech stack: Node.js, MySQL, JavaScript frontend.
  - **Real Estate Property Portal:** Developed listing management system with search functionality, inquiry forms, and automated lead routing. Built responsive frontend with Node.js/PHP backend.
  - **Educational Platform:** Created course management system with video hosting, student tracking, and payment integration for online learning business.
  - **Multi-Site WordPress Management:** Architected centralized hosting solution managing 20+ WordPress sites with automated updates, backups, and security scanning.
  - **API Integration Projects:** Connected third-party services (payment processors, CRMs, email platforms) through custom middleware and webhook implementations.
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## Technical Lead & Systems Architect

### MetroHyp Digital | Lagos, Nigeria

2017 - 2023

Led technical strategy and development for company web properties and client projects. Managed team of developers and designers, made architecture decisions, and ensured code quality.

#### Key Achievements:

- Architected company website and mobile app serving 50,000+ users

- Improved site performance by 40% through database optimization and caching strategies
- Implemented CI/CD pipelines reducing deployment time from hours to minutes
- Built internal tools automating project management and reporting workflows
- Managed infrastructure migration to containerized Docker environment

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## Software Developer & Technical Consultant

### Various Companies | Remote

2022 - 2024

Contracted development and technical implementation roles:

**Fastryders** (2024): Rebuilt website architecture for performance and search optimization. Implemented automated email system handling 50,000+ sends weekly. Developed App Store Optimization tracking dashboard.

**Mylibry Books** (2023-2024): Led technical team delivering 200% traffic growth through site optimization, API integrations, and automated marketing systems. Promoted to Senior Manager based on technical delivery.

**Getcare Africa** (2023-2024): Implemented automated security monitoring, backup systems, and incident response workflows. Deployed SSL management and malware detection across client infrastructure.

**Foot City Nigeria** (2023-2024): Built automated content optimization system with keyword tracking and technical SEO recommendations using Google APIs.

**KMC Limited** (2022-2024): Developed social media automation system managing posting schedules, analytics tracking, and content distribution. Scaled accounts from 5,000 to 100,000+ followers.

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## Web Developer & Content Systems Builder

### Hyperpeeps | Lagos, Nigeria

2016 - 2019

Managed blog platform and content distribution system. Built early automation tools for content scheduling and multi-platform publishing workflows.

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## EDUCATION

### Higher National Diploma, Electrical/Electronic Engineering

Lagos State Polytechnic | 2020 - 2023

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## CERTIFICATIONS

- Advanced Digital Marketing Specialist
  - Advanced Google Analytics
  - Google Ads 2023 Certificate
  - Optimizing a Website for Google Search
  - Social Media Marketing: Strategy and Optimization
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## DEVELOPMENT PORTFOLIO

**Live Projects & Code Samples:** [View deployed applications, GitHub repositories, and technical documentation](#)

**Published Technical Content:**

- Tribune Online: Technical infrastructure analysis for digital platforms
  - The Guardian: Business technology implementation case study
  - Vanguard: Service automation and system integration insights
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## WHAT I BUILD

**For Startups:** MVP development from concept to production. I can take your idea, architect the system, write the code, deploy to cloud infrastructure, and get you to market in weeks instead of months.

**For Enterprises:** Custom web applications that integrate with existing systems, handle high traffic loads, and scale with your business. I focus on maintainable code, proper documentation, and knowledge transfer.

**For Agencies:** White-label development services for complex projects. I can jump into existing codebases, debug production issues, or build features on tight deadlines.

**Technical Specialties:** AI API integration, webhook architecture, payment system integration, database optimization, Docker deployment, and building systems that run reliably without constant maintenance.

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## CONTACT

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**Location:** Lagos, Nigeria (Available for international remote work)

*GitHub profile, code samples, and project case studies available upon request*