

AKEEM OLANREWAJU ARO-LAMBO

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

Lagos, Nigeria | +234 816 215 0628 | olatonrain@gmail.com | [LinkedIn](#)

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.

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)

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
-

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.
-

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
-

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.

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.

EDUCATION

Higher National Diploma, Electrical/Electronic Engineering

Lagos State Polytechnic | 2020 - 2023

CERTIFICATIONS

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

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
-

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.

CONTACT

Email: olatonrain@gmail.com

Phone: +234 816 215 0628

LinkedIn: linkedin.com/in/olatonrain

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

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