

OLUDIMU JOSHUA OLAYIWOLA

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## PROFESSIONAL SUMMARY

AI/ML Engineer, Backend Developer, Project Lead, and Quality Assurance Specialist with over three years of experience building, testing, and deploying scalable software systems. Strong background in machine learning evaluation, backend architecture, and technical project coordination. Proven ability to lead cross-functional teams, deliver production-ready systems, and ensure software reliability through structured testing and validation. Experienced working in distributed teams, hackathon environments, and open-source ecosystems.

## TECHNICAL SKILLS

### Programming Languages

Python, JavaScript (Node.js, Express, NestJS), Rust (foundational)

### AI and Machine Learning

TensorFlow, PyTorch, Hugging Face Transformers, model fine-tuning, evaluation design, hallucination detection, bias analysis, sentiment and emotion recognition

### Backend and Infrastructure

FastAPI, Docker, Docker Compose, ONNX Runtime, Groq LPU

### Databases

MongoDB, PostgreSQL, MySQL, Pinecone, ChromaDB

### Testing and QA

Manual testing, regression testing, exploratory testing, UAT, edge-case validation, API testing, integration testing

### Tools and Collaboration

Git, GitHub, GitLab, Agile workflows, Kanban tracking, test documentation

### Data Formats

JSON, YAML

## PROFESSIONAL EXPERIENCE

### Founder and AI Engineer — KARMA Groups

2024 – Present

Built evaluation pipelines to assess hallucinations, bias, and output quality in language models.

Designed agent-based AI architectures using structured configurations.

Integrated high-speed inference systems in production environments.

Containerized services for reliable deployment.

Led development teams, defined milestones, and ensured on-time delivery.  
Conducted end-to-end testing for backend, AI, and Web3 applications.

#### Independent AI/ML and Software Engineer

2023 – Present

Architected AI training and evaluation infrastructure.  
Designed structured testing scenarios and validation pipelines.  
Fine-tuned language models to improve reliability and contextual accuracy.  
Collaborated with global teams on hackathons and open-source initiatives.

#### AI Systems Developer — Technical Services (DeepFunding AI)

9 Months

Developed containerized AI agents and deployment pipelines.  
Built frameworks for evaluating language model outputs.  
Contributed to decentralized AI tooling and proposal development.  
Supported testing and validation of blockchain-integrated AI systems.

#### Supervisor — PUBG Mobile Campus Activation

University of Ibadan

Supervised live platform usage during campus activation events.  
Managed logistics, schedules, onboarding, and real-time issue resolution.  
Monitored user interaction flows and reported system issues.

### PROJECT LEADERSHIP EXPERIENCE

#### THERA — Emotional AI Companion (Hackathon Winner)

Led development team, coordinated contributors, and managed delivery timelines.  
Oversaw feature scope, testing, and final presentation.

#### SkillLink AI — Voice and Video Coaching Platform

Managed backend planning, integrations, and iteration cycles.  
Coordinated development checkpoints and feature releases.

#### 9ja Market — Digital Marketplace Platform

Led backend planning and deployment scheduling.  
Managed roadmap priorities and delivery milestones.

### SELECTED TECHNICAL PROJECTS

#### LLM Evaluation Framework

Built Python scripts for hallucination detection and accuracy validation.  
Designed structured evaluation scenarios.  
Implemented bias detection pipelines.

#### Emotion-Aware AI Systems

Fine-tuned emotion detection models.

Logged emotional patterns for longitudinal analysis.  
Validated outputs for safety and accuracy.

Groq-Accelerated Inference API  
Developed high-performance inference service.  
Implemented FastAPI backend with strict schema validation.

## QUALITY ASSURANCE EXPERIENCE

Technical QA Lead — KARMA Groups  
Performed full lifecycle testing across backend and AI systems.  
Translated requirements into test scenarios and acceptance criteria.  
Identified defects, validated fixes, and ensured release readiness.

Technical Contributor — DeepFunding AI  
Tested AI-agent workflows under hackathon timelines.  
Verified integrations and identified edge-case failures.

## EDUCATION

Bachelor of Science in Statistics (In View)  
University of Ibadan, 2023 – 2027  
Relevant Coursework: Probability, Statistical Inference, Data Analysis, Machine Learning Fundamentals

## ACHIEVEMENTS

Winner, AI for Peace Hackathon

## ADDITIONAL INFORMATION

Strong analytical and problem-solving skills.  
Experienced in coordinating technical and non-technical stakeholders.  
Comfortable working in fast-paced environments and distributed teams.

## AVAILABILITY

Open to part-time, project-based, and contract roles.  
Available 10–25 hours per week during active project phases.