

RAGNANG-NEWENDE YANIS AXEL DABO

Software Engineer · Software Design & Architecture · Systems & Platforms · AI Engineering

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GitHub LinkedIn Portfolio



■ PROFILE

Software engineer with experience spanning the full software development lifecycle, from design to production deployment. My expertise combines secure development of web services and high-performance APIs, the integration of DevSecOps practices (automation, built-in security, and deployment reliability), and the native integration of artificial intelligence models throughout the software lifecycle.

■ PROFESSIONAL EXPERIENCE

African American Academy - IT Specialist and Instructor September 2026 - Present
Ouagadougou, Burkina Faso · Part-time

- Monitor and maintain the school's IT systems and software.
- Promote digital literacy and artificial intelligence awareness among staff and students.
- Teach ICT, Computer Science, and Robotics to students in Grades 6 to 12.

Aïobi

Software Engineer, Systems & Platform September 2026 - Present

- Design and evolve software systems and internal platform components.
- Automate software delivery and contribute to secure, reliable deployment environments.
- Integrate AI capabilities into applications and engineering workflows.

Full Stack / AI Developer Intern March 2026 - September 2026

- Development and evolution of applications integrating artificial intelligence features.
- Contribution to technical architecture definition, code reviews, and continuous improvement of software quality.
- Set up and maintenance of automation processes, CI/CD pipelines, and deployment environments.
- Collaboration with infrastructure and security teams to improve application reliability and security.

BiT Solutions - Software Engineering Intern May 2025 - June 2025
Bavaria, Munich

- Supported the engineering team through feature development and source code refactoring.
- Developed backend APIs and automation tools based on JavaScript and Python to automate internal processes.
- Designed a test automation prototype integrating cloud-based AI capabilities to improve validation workflows.
- Used Supabase for data management, real-time updates, and migration scripts.
- Gained hands-on experience with DevOps processes, including GitHub Actions workflows and CI/CD pipelines.

Freelance - Full-Stack Developer 2023 - 2025
Ouagadougou, Burkina Faso

- Design and development of custom web platforms for NGOs, media companies, and SMEs with a backend-first approach.
- Complete overhaul of the GiveMeALift platform: migration from WordPress to a modern, scalable custom CMS.
- End-to-end development lifecycle management: requirements analysis, UI integration, backend implementation, and deployment.
- Creation of intelligent CLI tools and developer-oriented applications to automate workflows.
- Collaboration with FIKASSO as a freelance consultant delivering custom software solutions.
- Design of technical architectures tailored to project needs, with attention to maintainability and scalability.
- Implementation of software engineering practices including automation, deployment, and continuous application improvement.

■ EDUCATION

Burkina Institute Of Technology - Ouagadougou, Burkina Faso October 2023 - July 2026
Bachelor's Degree in Computer Science, Programming

Groupe Scolaire Saint Viateur - Ouagadougou, Burkina Faso October 2019 - June 2022
High School Diploma, Mathematics and Natural Sciences

■ SKILLS

TECHNICAL

PROGRAMMING LANGUAGES

Low-level
C

High-level
Python, JavaScript, TypeScript, Go, Java, Bash

APPLICATION DEVELOPMENT

Frontend Frameworks
React, Next.js, Flutter

Backend Frameworks
Node.js, Express, FastAPI, Flask, Laravel

ARTIFICIAL INTELLIGENCE

Frameworks & Platforms

LangChain, OpenAI Platform, Hugging Face, TensorFlow, Google AI Studio, OpenRouter

Vector Databases

ChromaDB, Pinecone

DATA

Relational Databases

PostgreSQL, SQLite, SQL

DEVSECOPS & INFRASTRUCTURE

Systems

Linux (Ubuntu, Pop!_OS, Parrot OS)

Automation & Deployment

GitHub Actions, GitLab CI, Travis CI

Observability & Monitoring

Prometheus, Grafana, Loki, GlitchTip

TOOLING

Development

Git, VS Code, Neovim, Zed, Claude Code, Codex, Hermes

SOFT SKILLS

Critical Thinking

Problem-solving, Critical thinking, Continuous learning

Collaboration

Communication, Leadership

LANGUAGES

French

Native language

Models & Local Inference

Ollama, llama.cpp

Experimentation

Jupyter Notebook, Google Colab

NoSQL & Local Storage

MongoDB, Supabase, IndexedDB

Containerization & Orchestration

Docker, Docker Compose, Kubernetes

Security

Vault, Teleport, WireGuard

Quality Assurance

Postman, Bruno, Maestro Studio, Playwright

Work Approach

Autonomy, Rigor, Adaptability

English

Professional

PROJECTS

Audex (Private)

AI-powered on-site security audit system that uses computer vision and language models to automatically generate structured reports.

WiseMoney [Source Code](#) · [Live](#)

Personal finance management web app for tracking accounts and transactions, budgeting, and generating AI-driven insights.

7review [Source Code](#) · [Live](#)

Automated code review agent for GitHub pull requests and GitLab merge requests: enriches context via SCM metadata, draws on repository memory and skills, reviews via configured AI models, then requires human approval before publishing.

GlexTalent (Private) [Live](#)

Recruitment and talent management platform that facilitates matching between companies and candidates.

Tenglaafi [Source Code](#)

RAG-based medical assistant that retrieves and explains information on tropical diseases and medicinal plants.

Y7-Jprompter [Live](#)

Web application that converts natural language prompts into structured JSON via AI.

Givemealift CMS [Live](#)

Custom CMS built to replace a WordPress site and simplify content management for an NGO.

CERTIFICATIONS

- Python Fundamentals - Great Learning
- JavaScript Fundamentals to Advanced - Udemy
- Introduction to Software Engineering - IBM x Coursera
- IBM DevOps & Software Engineering - In progress
- IBM Backend Development - In progress
- IBM Full-Stack JavaScript Developer - In progress

AWARDS

- 1st Prize - ONEA AI Hackathon - 2026
- 3rd Place - AI Hackathon, Digital Week (MDCPE) - 2025
- 2nd Place - Aiobi AI Hackathon (Certificate of Excellence) - 2025