Josias Kologo

Senior Backend Engineer & Systems Architect

Rabat, Morocco · kologojosias@gmail.com · kologojosias.com · LinkedIn · GitHub

Backend engineer building event-driven systems, data integrations, and Rust tooling. Experience designing microservices, shipping cloud deployments, and leading engineers.

EXPERIENCE

Founder & Independent Consultant Nov 2023 – Present

- Designed evaluations for AI coding agents on ship.ai and micro1.ai, covering complex software engineering tasks in Rust, C++, Python, TypeScript, and PHP. Built reproducible Docker environments, automated verifiers, regression tests, and reference implementations.
- Contributed to a Rust-based RLHF pipeline at Mercor, evaluating model responses, providing feedback, and testing response correctness.
- Designed a CMS microservice architecture and an event-driven pipeline for a publishing platform and an organization analytics system.
- Built an e-commerce platform with product discovery and support agents, MCP search tools, caching, and real-time notifications.
- Delivered CRM modules for tasks, contracts, and notifications, and set up containerized deployments and CI/CD.

Team Lead | 3W Academy 2022 – 2023

- Trained 20+ learners through bootcamps, code reviews, and project-based mentoring.

Full-Stack Developer | Kavaa Global Services 2021 – 2022

- Architected a healthcare platform using ASP.NET Core, Angular, and React Native.

Lead Developer | Univpocket 2020 – 2022

- Led a four-person team building an e-learning platform. Built the React Native app and Laravel backend. The app recorded 1,000+ Google Play downloads.

Earlier roles · Freelance Full-Stack Developer, 2019–2020 · Software Engineering Intern, SQLI Maroc, 2019

SELECTED PROJECTS

Embex · Built a Rust library with Python and Node.js bindings for seven vector databases. Recorded 9,000 package downloads across PyPI and npm in the first two weeks. GitHub

Event Tracking · Built a Django configuration service and a React/Next.js SDK to standardize Amplitude events across products. Teams could change tracking rules without redeploying the apps. Case study

UMIDE · Built a Rust IDE with embedded mobile device panels and automated the signing and notarization of macOS releases. GitHub

TECHNICAL SKILLS

Backend and APIs · Rust, TypeScript/Node.js, Python/Django, C#/ASP.NET Core, REST, GraphQL

Data and infrastructure · PostgreSQL, Redis, Kafka, RabbitMQ, Docker, Kubernetes, AWS, GCP, GitHub Actions

Languages · French, English

EDUCATION

National Institute of Statistics and Applied Economics 2016 – 2019

Engineering diploma in Computer Engineering