

Russel H. Kouagou

Back-end web developer

Laravel, REST APIs and Docker - hospital systems and APIs. Based in Cotonou / Calavi, Benin.

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Portfolio

PROFILE

Developer focused on designing useful digital products. Works well in a team and combines programming technologies to build applications that fit users. Stays current and brings new tools into the work.

EXPERIENCE

Web developer · Group LTA

Oct 2025 - present · 1 yr 2 mos · Cotonou · in parallel

Mojaloop, an interoperable instant-payment scheme: production operations on Kubernetes.

- Deploy, configure and run a production Mojaloop environment on Kubernetes from Mojaloop's official infrastructure as code.
- Analyse and test an end-to-end transaction: account lookup, quote, transfer and settlement.
- Write technical documentation of the architecture and the deployment procedure.

MySQL · Docker · Helm · Infrastructure as Code · Kubernetes · Kafka · Mojaloop

Web developer (internship) · Group LTA

Apr 2025 - Sep 2025 · 6 mos · Cotonou · in parallel

e-ANSSFD REST API for financial institutions.

- Let financial institutions file license applications and track them through validation controlled by the system.
- Follow up on recommendations.

Laravel · PHP · REST APIs · MySQL

Head of the IT department · Groupe IRES-ELYONGEA

Feb 2023 - Feb 2024 · 1 yr 1 mo · Cotonou · in parallel

Online training platform, IRES Consulting website, and an accounting tool at ABB.

- Built the IRES-Formation online training platform.
- Updated the IRES Consulting firm website.
- Set up an accounting solution at ABB and trained staff to use it.

Laravel · PHP · MySQL · User training

Freelance / IT consultant · Freelance

Feb 2021 - present · 5 yrs 10 mos · Cotonou · in parallel

DigiClinic, a multi-tenant hospital system that works offline, plus sites for tourism, donations, restaurants and Coso Bénin, and logistics on SWEDD 2024-2025.

- Designed DigiClinic, a multi-tenant hospital system with a dedicated PostgreSQL database per centre, working offline: https://www.gnlfconsult.com/
- Built the Iroko Tours tourism website: https://irokotour.com/
- Built the donation platform for Soutenons Carrefour du Koutammakou: https://irokotour.com/Koutammakou/

Laravel · PHP · JavaScript · Vue.js · PostgreSQL · Docker · Web development

IT consultant · Ministère du Travail et de la Fonction Publique (MTFP)

Nov 2020 - Jul 2021 · 9 mos · Cotonou · in parallel

Functional testing, electronic document management, and technical support for the Ministry of Labour.

- Functional testing of the SyGEC and GED applications.
- Administer the ministry’s electronic document management platform, GED-MTFP.
- Update the Catis platform for the PDA redesign.

Systems administration · Technical support · User training

Web editor · Ministère du Numérique et de la Digitalisation

Jan 2018 - Jul 2021 · 3 yrs 7 mos · Calavi · in parallel

PROJECTS

DigiClinic

Hospital information system for the full running of medical centres: consultations, maternity, inpatient stays, laboratory, radiology, pharmacy and billing. Multi-tenant - each centre has its own PostgreSQL database - and it works offline.

Laravel, PHP, Vue.js, PostgreSQL, Redis, Docker · gnlfconsult.com

IRES Consulting. Update of the IRES Consulting firm website.

ABB accounting. Accounting management solution set up at ABB, with staff training on how to use it.

e-Services API. REST API for administrative applications across institutions: configurable workflows, tracking and recommendations.

Mojaloop production platform. Production Mojaloop instant-payment environment on Kubernetes, with end-to-end flow testing and technical documentation.

Coso Benin. Contribution to the Coso Bénin project website (not a full solo build). coso-setco.bj

IRESFormation. Online training platform built for Groupe IRES-ELYONGEA (IRES-Formation).

Soutenons Carrefour du Koutammakou. Donation platform for the Soutenons Carrefour du Koutammakou project, with dynamic management of all content, including media. irokotour.com/Koutammakou

FreshSalad. Restaurant ordering platform. Mobile Money checkout and a cart let customers place meal orders online; staff manage those orders from the… irokotour.com/FreshSalad

Iroko Tours. Tourism website for Iroko Tours, with dynamic management of all content, including media, from a back office. irokotour.com

SKILLS

Back-end. Laravel, PHP, REST APIs, JavaScript, Vue.js

Databases. PostgreSQL, MySQL, Redis

DevOps / Infra. Docker, Helm, Infrastructure as Code, Systems administration, GitHub, Kubernetes

Observability. Grafana, Loki, Tempo

Website. Website

Payments / Fintech. Kafka, Mojaloop

WordPress. Website

Security. Web application security

Practice. Web development, IT maintenance, Technical support, User training

EDUCATION

Baccalauréat D (sciences) · Collège d'Enseignement Général de Boukombé · 2015

Professional bachelor's degree: Computer Systems and Software · ESCAE-Bénin University · 2018

CERTIFICATIONS

X-Road Fundamentals

Training certificate: electronic document management administration in ministries, case of the Ministry of Labour · MTFP

Web application security: vulnerabilities, risks and countermeasures · ASSIN-Benin · 2024

Systems Administrator certification · LinkedIn · 2024

LANGUAGES

Ditammari (native) · French (bilingual) · English (intermediate)