

IMANIRAHARI Didier

Software Engineer

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Profile Summary

Software Engineer with strong expertise in Python backend development, fundamentals of distributed systems, and experience in automation and cloud-native tools. Skilled in system design, Linux, and networking with certifications in Kubernetes and CCNA. Passionate about building scalable, fault-tolerant systems and solving complex engineering challenges.

Experience

Independent Developer (GitHub Portfolio)

2021 – Present

- Developed 10+ backend and automation projects focusing on scalability, reliability, and efficiency.
- Designed REST APIs and backend services in Python/Django.
- Containerized and deployed applications using Docker, Kubernetes, and cloud platforms (Heroku, Railway, Netlify).

Contributor, NLPAY Academy (Google Developers Group Hackathon, Kigali)

- Contributed to the development of an AI-powered digital skills platform in Kinyarwanda.
- Assisted with backend design, testing, and deployment during hackathon prototyping.
- Recognized for collaborative impact and innovative approach.

Project Contributor,

Blockchain-Powered Agricultural Supply Chain System (University of Rwanda)

- Explored blockchain fundamentals and applied distributed ledger concepts for produce tracking.
- Supported smart contract integration for secure transaction management.

Education

Bachelor of Computer and Software Engineering, University of Rwanda

2025

- Awarded full government scholarship for academic excellence.
- Key coursework: Data Structures, Databases, Distributed Systems, Blockchain Development, AI/ML Fundamentals.

Skills

Programming & Algorithms

Python, Django, REST APIs, SQL, Data Structures, Algorithms

Linux & DevOps

Ubuntu/Linux, shell scripting, server management, Git/GitHub workflows

Distributed Systems & Networking

Fundamentals of Blockchain, Kubernetes, Docker, TCP/IP, DNS, OSI layers

System Design & Automation

API integration, automation scripts, scalability optimization

Awards & Recognition

Hackathon Recognition , <i>Google Developers Group Kigali</i> (NLPAY Project, 2025)	01/12/2024
Government Scholarship Recipient , <i>University of Rwanda</i>	01/12/2020

Certifications

Kubernetes & Cloud Native Essentials — Linux Foundation (2025)	CCNAv7: Enterprise Networking, Security, and Automation — Cisco (202)	CCNAv7: Introduction to Networks — Cisco (2022)
IT Essentials: PC Hardware and Software — Cisco (2021)		

Key Highlights

Proficient in Python for backend systems, REST APIs, and automation workflows.	Exposure to distributed systems concepts and blockchain fundamentals
Hands-on experience with Linux, Docker, Kubernetes, and cloud deployment platforms	Certified in Enterprise Networking, Security & Automation (CCNA) and Kubernetes & Cloud Native Essentials