

# Jean Baptiste Shumbusho

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📍 Kigali, Rwanda

## PROFILE

I'm full-stack developer and technical director with strong experience in software architecture, DevOps (Docker, Git, CI/CD), mobile/web development, and system integration. He has led scalable projects, mentored teams, and contributed to AI/ML, IoT, and GIS mapping initiatives. With certifications in networking (CCNA), cybersecurity, and machine learning, he brings a hands-on, results-driven approach backed by a solid academic background in Information Technology

## EXPERIENCE

### Technical Director

📅 Dec 2019 - Present

Itec | Rwanda

- Full stack software development in EXPERIENCE INFORMATION TECHNOLOGY & ENGINEERING CONSTRUCTION (ITEC) ----- Responsibilities:
- Mentored teams, defined architectures, guided tech choices, ensured scalability, led integrations, promoted innovation, and aligned solutions with organizational goals.
- Oversaw software architecture, system integration, and full-stack development.
- Guided mobile and web app development projects.
- Led DevOps adoption (Docker, Git, CI/CD, APIs).

### IT Support

📅 Dec 2019 - Dec 2020

Southern Province

- Responsibilities:
- Daily on-Air radio studio equipment troubleshooting and configure any new services
- editing speech-based audio and other related
- Hardware maintenance and troubleshooting
- Network configuration and troubleshooting in HUGUKA offices,

## EDUCATION

### Bachelor Degree in Information Technology

📅 2025

RWANDA POLYTECHNIC

- Bachelor Degree from RWANDA POLYTECHNIC

### Advanced Diploma In IT

📅 2020

Tumba College of Technology

- Advanced Diploma

### High School Diploma, Mathematics Physics, Computer Science

📅 2016

Ecole de science NYAMAGABE

- Secondary education
- High school Diploma certificate (A2) in Mathematics Physics and Computer Science, obtained From Ecole de science de NYAMAGABE. High School Diploma

## SKILLS

Java	Javascript	Laravel	PHP	Python
ReactJS	Machine Learning	Blockchain	MySQL	
NOSQL (MongoDB, Cassandra, Elasticsearch, Hbase, DynamoDB)				

## LANGUAGES

English	Fluent
French	Basic
Swahili	Basic

## OTHER SKILLS & CERTIFICATIONS

### Programming Languages:

Java, Python, PHP, JavaScript, SQL, HTML, CSS, Go

### Frameworks & Libraries:

FastAPI, Flask, Laravel, Django, Node.js, React, React Native, Flutter, ASP.NET Core, Spring Boot

### DevOps & Tools:

Git & GitHub, Docker, Docker Compose, Docker Hub, Jenkins, Nginx, Swagger/OpenAPI, Podman, Kubernetes

### Database Technologies:

MySQL, PostgreSQL, MongoDB, JSON-based DBs, Firebase Fire store, Oracle

### Machine Learning & AI:

Model training (image, photo), NLP, LLMs, Detection, Chatbots, Selenium

### Design & UI Tools:

Figma, Wireframing, Adobe Illustrator, Adobe Photoshop

### IoT & Embedded Systems:

IoT database integration using MongoDB and JSON-based systems for real-time sensor data management, with practical knowledge of PCB design using tools like Proteus to simulate and create embedded hardware prototypes. Skilled in hardware troubleshooting and maintenance, as well as basic embedded programming using C/C++ or Micro Python for microcontrollers such as Arduino and ESP32

### Monitoring & Infrastructure:

Linux/Windows Server, Network configuration, Monitoring Tools (basic knowledge), Sandbox testing

### TRAINING AND CERTIFICATES

- IT Essentials
- CCNAv7: Introduction to Networks
- CCNAv7: Switching, Routing, and Wireless Essentials
- CCNAv7: Enterprise Networking, Security, and Automation
- CCNA Cybersecurity Operations.