



# Takem Jim-Rawlings Eyongaroh

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## ABOUT ME

Software developer dedicated to designing and delivering innovative resource efficient solutions. Experienced in leading projects from design to deployment and actively seeking opportunities that blend AI and IoT to drive sustainable, future-focused solutions.

## EDUCATION

### Bachelor of Engineering in Software Engineering

**University of Buea:** Oct 2021 - July 2025 | <https://www.ubuea.cm/>

**Final Grade:** 3.52/4.00

**Thesis:** Analysis, Design, and Implementation of a scalable School Management System.

**Relevant Coursework:** Operational Research, Numerical Methods for Engineering, AI & Machine Learning, Data Mining, Probability & Statistics

### GCE Advanced Levels

**Cameroon College of Arts and Sciences:** Oct 2020 – June 2021

**Score:** 23/25 points | Ranked 1st/500 students.

## SKILLS

### Technical and Soft skills

**Programming:** Python, Node.js, React/Next.js, SQL, React Native, Flutter.

**Systems & IoT:** LoRaWAN, Node-RED, Predictive Modeling.

**Soft Skills:** Leadership, communication, teamwork, project coordination

## PROJECTS

11/2024 – 11/2024

### IoT-Based Mission Optimization & Health Monitoring - SMARTLOG

- Designed and implemented a biometric IoT monitoring system with real-time dashboard and anomaly alerts.
- Developed a predictive fuel model and analytics pipeline to optimize mission logistics and operational safety.

02/2025 – 07/2025

### School Management System - FET SPACE

- Led end-to-end development of scalable institutional management platform for the Faculty of Engineering and Technology
- Centralized student/staff records and communication workflows reducing administrative inefficiencies and paper dependency

09/2024 – 12/2024

### Internship Management System - InchTechs

- Developed full-stack platform automating internship lifecycle tracking from application to completion
- Streamlined evaluation and reporting workflows, Improving operational coordination between departments

02/2024 – 06/2024

### Civil Engineering Cost Estimator

- Developed a mobile cost estimation application using mathematical modeling to automate complex construction budgeting.
- Reduced material overestimation and budgeting errors, supporting resource-efficient and sustainable construction decisions.

## WORK EXPERIENCE

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### FULLSTACK DEVELOPER AND ENGINEERING LEAD – STARUTH TECHNOLOGIES – 04/2023 – Current

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- Built responsive web systems focused on performance and accessibility
- Integrated APIs to streamline frontend-backend data flow and improve system reliability.

### LEAD MOBILE DEVELOPER – REEPLS – 09/2024 – Current

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- Built the first version of the Reepls mobile application from initial UI designs to deployment on the Google Play Store.
- Integrated backend services for scalable data synchronization and system performance.

[Website](#)

### SOFTWARE ENGINEERING INTERN – INCHTECHS – 09/2024 – 12/2024 – YAOUNDÉ, CAMEROON

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- Developed IoT dashboards for real-time smart plant and animal monitoring systems.
- Automated internship lifecycle tracking and contributed to system debugging and optimization.

## CERTIFICATIONS

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TME Education and InchTechs, 23/08/2024

### Building and setting up IoT Systems for environmental data monitoring using LoRaWAN

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- Built and configured LoRaWAN-based environmental monitoring systems and Node-RED dashboards for real-time sensor data.
- Gained experience on integrating AI and IoT in applied projects, including an automated fish-tank monitoring system demonstrating end-to-end IoT workflows.

[Certificate](#)

**Mode of learning:** Presential

### Machine Learning & Data Intelligence

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IBM ML for Data Science Projects - [Certificate](#)  
IBM Enterprise Data Science in Practice - [Certificate](#)  
University of Helsinki Elements of AI - [Certificate](#)

**Mode of learning:** Online

## VOLUNTEERING

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11/2021 – CURRENT Kumba, Cameroon

### Math/Physics Tutor & Former Engineering Coordinator — ASEND Corporation

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Mentored students in Mathematics and Physics and organized STEM preparatory and orientation programs, coordinating tutors and partner schools to ensure smooth and effective delivery.

[Certificate](#)

28/10/2024 – 30/10/2024 Yaounde, Cameroon

### Protocol Volunteer — Cameroon International Tech Summit

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Coordinated speaker and session logistics, ensuring smooth technical presentations while gaining exposure to AI-driven smart city optimization systems.

[Certificate](#)

## LANGUAGE SKILLS

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### Proficiency

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English - Mother Tongue  
French - B2 (Independent user) – Listening: B2 | Reading: B2 | Spoken Production: B1 | Spoken Interaction: B2 | Writing: B2

## HOBBIES AND INTERESTS

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### Football Enthusiast

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Competitive player since age 6, served as Assistant Captain of Faculty class team, demonstrating leadership, teamwork, and strategic coordination.