

Jean Pierre IMANIRUMVA

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SUMMARY

Seasoned Fullstack Software Engineer proficient in web, mobile, and USSD applications development. Instrumental in assisting organizations, including AC Mobility, CodeLand S.r.l, TiiQu, The Innovation Village Kampala, and Andela, in meeting their specific software engineering needs. Eager for a new challenge to further advance skills in emerging processes, tools, and technologies.

EDUCATION

Master of Science in Information Technology | GPA: **3.78/4**

Carnegie Mellon University Africa | Kigali, Rwanda(Onsite)

Specializations: Software Engineering and Applied Machine Learning

Bachelor of Arts in Management | GPA: **4/4**

Southern New Hampshire University | Manchester, NH, U.S(Remote)

Specializations: Logistics and Operations

PROFESSIONAL EXPERIENCE

Fullstack Developer | June 2020 - July 2023

AC Mobility (Tap&Go), Kigali, Rwanda (Onsite)

- Developed a subsidy platform the Government of Rwanda uses to provide subsidies on transport transactions worth over Rwf 1.7 billion monthly.
- Developed a payment gateway that processes transactions worth over Rwf 300 million monthly allowing people to pay for travel fares with Mobile Money and Airtel Money.
- Developed a *532# USSD application that allows users to top their Tap&Go cards, check their balance, and get mini statements.
- Reduced operation costs by 33% by creating an in-house Incident Management System that allows efficient handling of incidents and stock management.
- Managed software development teams on various projects

Freelance Backend Engineer | September 2022 -July 2023

CodeLand S.r.l, Millano, Italy(Remote)

- Contributed to the Unicredit Group's Website development
- Participated in the migration of 7 Enel Group portals from the 6.2 and 6.3 versions to the 6.5 AEM version. Sites migrated are Enel Americas, Enel Brazil, Enel Chile, Enel Huinay, Enel Peru, Enel Colombia, and Enel Argentinas.
- Contributed to over £500,000 in revenue generation from the projects contributed to

Technical Team Lead | May 2021- August 2021

Andela, Kigali, Rwanda(Remote)

- Facilitated a team of 12 software engineer trainees
- Helped them with blockers they faced in their day-to-day development practices
- Organized and involved in agile practices of the team
- 10 of the 12 facilitated completed the program and got employed by Rwandan and international companies as Software Developers

PROJECT WORK

Subsidy Platform (10 months) | Jan 2022- Nov 2022

AC Mobility, Kigali, Rwanda

- Tools & Software: NodeJS, Express, Jest, SQL, PostgreSQL, Docker, Redis, React, Redux, Material UI, etc
- Fully designed, developed, and deployed this application that the government of Rwanda is using to provide subsidies to transactions worth over 1.7 billion monthly.

- Optimized the application to facilitate quick processing of over 30+ million rows of Rwandan transport transactions from 2018 to date with the potential to rapidly grow every month
- Lead presentations and discussions around the project as a Lead Engineer both internally at AC Mobility, and externally at Rwanda Utilities Regulatory Authority (RURA)

The *532# Tap&Go USSD Application (4 months) | Feb 2023- July 2023

AC Mobility, Kigali, Rwanda

- Tools & Software: NodeJS, PostgreSQL, Docker, Redis, React, Redux, Tailwind CSS, VPN, etc
- Lead and participated in the design, development, and deployment processes of the project
- Contributed to the USSD's user interface menu
- Integrated payments using MTN Mobile Money and Airtel Money
- Integrated SMS system to the USSD application to allow users to receive SMSs related to their transactions
- Acted as a communication channel between AC Mobility and telecom companies (MTN and Airtel) for payment and deployment integrations
- Worked with a DevOps engineer to successfully deploy the application for Airtel and MTN users.

Incident and Stock Management System(7 months) | May 2021- Dec 2022

AC Mobility, Kigali, Rwanda

- The web and mobile applications that are used to manage incidents and stock at AC Mobility
- Tools & Software: NodeJS, PostgreSQL, Docker, ReactJS, MaterialUI
- Led and participated in the design, development, and deployment processes of the project

SKILLS & CERTIFICATIONS

- Certified by Cybint Solutions as a Cybersecurity Specialist | [Certificate](#)
 - Certified by Udacity as a React Developer | [Certificate](#)
 - Certified by Andela as a Fullstack Software Developer | [Certificate](#)
 - Certified by the University of Michigan as a Python Developer | [Certificate](#)
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|---|---------------------------------------|
| ●NodeJS | ● Java Programming |
| ●Typescript | ● React Native |
| ●ExpressJS | ● C++ Programming |
| ●ReactJS | ● Python Programming |
| ●Flutter | ● Software Security |
| ●Databases (PostgreSQL, MySQL, MongoDB, XML) | ● Unity Testing (Mocha/Chai and Jest) |
| ●Version Control System (Git, Github, Gitlab) | ● UML(Unified Modeling Language) |
| | ● Stakeholders Management |
| | ● Team building |

INTERESTS & ACHIEVEMENTS

- Interested in process automation
- Interested in systems development
- Programming mentor at Acts for Better Future (ABF)