

Samuel Rutakayile

Kigali, Rwanda

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Education

Adventist University of Central Africa

Kigali, Rwanda

Bsc in Software Engineering

Sept 2016 - Sept 2021

- Graduated with Distinction (**3.7/4.0 GPA**)
- **Courses:** Data Structures, Big Data, C++, Java, Web Technologies, Best Programming Practices

Work Experience

Irembo

Kigali, Rwanda

Software Engineer

July 2021 - Now

- Significantly improved performance of internal notification service through application of Circuit breaker pattern, use of RabbitMQ exchanges & queues
- Designed & Implemented a highly available & performing internal data visualization/reporting tool used by over 3,000 government officers. Resulting in cutting cost from use of expensive SaaS app
- Reduced build & deployment time of half of company's front-end project through implementation of Twelve-factor app methodology & additional compression practices
- **Technical Skills:** Java, Spring Cloud, Solr, Postgres, AngularJS, brotli, purgeCSS, Git, Github Actions, Bash Scripting.
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Awesomity Lab

Kigali, Rwanda

Backend Developer

Feb 2020 - Sept 2020

- Co-led development team in the design & implementation of the gamification module of Ed-Tech API.
- Significantly optimized performance of legacy API by 50% response time per request. Applied request caching, payload and rate limiting & optimizing SQL queries.
- Implemented observability, monitoring & automated deployment through CI/CD on 50% of company's APIs
- **Technical Skills:** Java, Spring Boot, Typescript, NestJS, ExpressJS, Gitlab CI, ELK, Docker, Git.
- **Soft Skills:** Leadership, Time Management, Communication, Logical Thinking.

Awesomity Lab

Kigali, Rwanda

Mobile / Frontend Developer

Jun 2019 - Feb 2020

- Reduced release time of React Native application patches by 70% through implementation of CodePush Over-The-Air updates
- Developed desktop application allowing the automation of scheduling shift for Ride Hailing company, reducing time of scheduling shifts for car drivers from 1 week to 1 minute
- Implemented logging & monitoring of an iOS ride sharing app used by over 4,000 users
- **Technical Skills:** React Native, React, Javascript, Typescript, CodePush, Gitlab, Electron, Swift, XCode
- **Soft Skills:** Teamwork, Time Management, Communication, Critical Thinking

Programmage LTD

Kigali, Rwanda

Software Development Intern

Sep 2014 - Jan 2015

- Implemented HTML & CSS from Adobe XD Mockups
- Applied maintenance & feature implementation of Wordpress projects
- **Technical Skills:** HTML, CSS, Javascript, Joomla, Wordpress
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Skills

Programming

Java (Spring, Spring Cloud), Typescript(NestJS, Express, Angular, React, React Native), SQL(Postgres), Lucene(Solr), Python,C/C++, HTML/CSS, JavaScript.

Miscellaneous

Linux, Shell (Bash/Zsh), Git, Firebase, Git.

Soft Skills

Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Achievements & Awards

2021 **3.7/4.0 GPA**, AUCA

Rwanda

2017 **Member**, University Cybersecurity Club

Rwanda

2018 **2nd Runner Up**, Cyberstars CTF, 2019 Rwanda Edition

Rwanda

2018 **Mastery Award**, IBM Security Intelligence Engineer

Rwanda

Interests

- Drumming** I love playing drums. It helps to relieve stress/tension; and allows me to express myself through music
- Linux** Since 2017, I have been in love with Linux. I recently switched to Mac OS, which feels like a premium of Linux.
- Swimming** I started swimming when I was 12. Going through submerged things while holding my breath was the most exciting part.
- Music** I enjoy almost all types of music may it be pop, rap, and traditional rwandese styles.

Languages

- English** Native proficiency
- French** Professional proficiency
- Kinyarwanda** Professional proficiency

References available upon request.