

# PROMISE YEHANGANE

## FULL STACK DEVELOPER / PYTHON DEVELOPER

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### CAREER SUMMARY

A Full Stack Developer specializing in Python, JavaScript, and Ruby with a strong background in web application, optimizing user experiences, CI/CD pipelines, version control and deploying microservices on AWS and AWS Lambda platforms. With excellent communication and problem-solving skills and a quick learner with the ability to work independently and thrive in agile environments. Passionate about applying his technical skills to innovative projects and solving complex challenges in a collaborative team setting.

### PROFESSIONAL EXPERIENCE

#### Uganda Communications Commission – Kampala

##### Telecom Engineer

06/2023 – Present

- Monitor the quality of service to encourage high-quality communication services
- Solve complex telecommunications issues, and create comprehensive reports for stakeholders
- Ensure telecommunications compliance by processing type approval applications and testing of equipment
- Demonstrate adaptability by learning and implementing new technologies to enhance strategic communication services, and innovation in tech solutions
- Contribute to continuous improvement of e-services platform for type approval applications, maintain communication equipment testing systems and enhance the quality-of-service software systems
- Implement troubleshooting and maintenance of monitoring and testing systems, working with Linux, Python, and Bash.

#### Encode Junction – Kampala

##### Full Stack Developer

07/2022–10/2023

- Developed and maintained backend systems using Python and Ruby on Rails
- Implemented SQL databases such as MySQL and PostgreSQL
- Developed and optimized frontend applications using JavaScript, Typescript, Angular, HTML, CSS and utilizing modern frameworks like React and Bootstrap.
- Developed and deployed scalable microservices and RESTful APIs using Node.js
- Actively participated in Agile methods and leveraged Git for version control to manage code efficiently and CI/CD with Jenkins X, Circle CI, and Travis CI.
- Developed and deployed scalable backend architecture on AWS, utilizing Docker and Kubernetes for containerization
- Implemented application security best practices
- Communicated with clients to define technical requirements, scope, product features, accessibility, status, feedback, and other user-defined needs

#### Concern for the Girl Child

##### Volunteer IT

02/2022–05/2022

- Enhanced timely delivery of results in daily tasks by configuring faulty IT systems
- Optimized quality assurance by coordinating with various service providers to ensure the procurement of quality equipment.
- Gathered and organized asset records and data for efficient workflow
- Improved work productivity by 50% effectively providing IT support to 10 staff members.

## SKILLS

- Frame Works: Flask, Django, Ruby on Rails, Node.js, React.js, Express, Angular
- Programming Language: Python, JavaScript, Ruby, Bash
- Cloud: AWS, AWS Lambda
- Data Pipeline, Data Platform
- Container & CI/CD Tools: Travis CI, Circle CI, Gitlab-CI, Docker, Kubernetes
- Relational Database: SQL, PostgreSQL, Redis, MySQL
- NoSQL Database: MongoDB
- Operating Systems & Networks: Linux, Windows
- Servers: NGINX, Gunicorn
- Version Control: Gitlab, GitHub, git, git-flow
- Web Application Development
- Cloud Infrastructure
- Automated Testing
- DevOps, Software Architecture
- TDD, OOP, QA
- Microservices
- Scrum, Agile Software Development
- Project Management Tool: Trello
- Figma, HTML5, CSS, Bootstrap
- API Development: RESTful API
- User and Process Optimization
- Other Skills: Attention to Detail, Written and Verbal Communication Skills, Analytical, Problem-Solving, Analysis, Innovative, Decision-Making, Reliability, Initiative, Collaborative, Teamwork

## LANGUAGES

- English: C1
- German: B1

## EDUCATION

### KYAMBOGO UNIVERSITY

Bachelors in Telecommunications Engineering

2019-2023

### ALX – Africa

Full Stack Software Engineering

05/ 2021- 07/ 2022

## PROJECTS

### AirBnB\_Clone

This is a test-driven fullstack Airbnb web application clone running on three Amazon EC2 instances (1 load balancer, 2 applications servers with a replication/master database setup) using NGINX as a web server and gunicorn as the application server. Technologies used: Python, Flask, HTML, CSS, jQuery, MySQL, Linux, Nginx, Gunicorn. The project can be found [here](#).

### Service@Mybranch 04/2022 – 03/ 2022

Created this project as part of my ALX Software Engineering program. This is a project that offered customers of a bank the platform to express their satisfaction or dissatisfaction. In a team of 2, I was responsible for building the backend system. I built the data models, wrote the unit tests, and database management. This was written in Python, Javascript, Typescript and HTML, and SCSS. The project source code can be found [here](#).

### DevOps

This project introduces the basics of computer networking. It utilized advanced Kubernetes features such as monitoring, alerting, logging, and scaling. Docker containers were utilized and Jenkin X was used for CI/CD. Chaos engineering was also used. The project is found [here](#).