

JECKONIA OPIYO

SOFTWARE ENGINEER

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PROFILE

A dedicated and innovative software engineering student with a strong foundation in backend and mobile development. Passionate about building real-world solutions using Django and Flutter. Skilled in Python, PHP, MySQL, and MongoDB. Eager to leverage technical expertise and problem-solving skills to contribute to impactful projects.

EXPERIENCE

Baraton University, Kapsabet— *Practicum Instructor*

Feb 2025 - DATE

- Assisted students in understanding key software engineering concepts.
- Led practical hardware and software experiments.
- Provided mentorship and hands-on coding guidance.

Baraton University, Kapsabet— *Huawei Academy Lead*

Aug 2024 - DATE

- Led initiatives to promote learning and certification in Huawei technologies.
- Organized training sessions and workshops for students.

PROJECTS

1. Attendance Tracking App

A mobile application for attendance taking and tracking using QR codes to scan student IDs.

- Technologies: Flutter, MySQL, PHP
- Contributions: Developed the backend and frontend; integrated QR code scanning functionality; optimized database interactions for efficiency.

2. CitySpectors

An Android app that allows citizens to report crimes and provide evidence anonymously.

- Technologies: Flutter, Google Maps API, Firebase
- Contributions: Implemented secure anonymous reporting; integrated Google Maps for location tagging; designed an intuitive UI for user engagement.

SKILLS

Programming Languages: Python, PHP

Frameworks & Technologies: Django, Flutter

Databases: MySQL, MongoDB

Tools: Git, REST APIs, Firebase

EDUCATION

University of Eastern Africa Baraton, Kapsabet— *Degree*

2021- DATE

Bachelor of Science in Software
Engineering

Ratta Mixed Sec. School, Kisumu— *K.C.S.E*

2016 - 2021

Kenya Certificate of Secondary Education
(Grade B+ (Plus))

ACHIEVEMENTS

Finalist, ESA Green Conference, UoN (Year: 2025)

Participant, First-ever Baraton Innovation Week (Year: 2024)

Finalist, NRF Hackathon Kenya (Year: 2024)

Dean's List, Baraton University (Academic Excellence Award)

REFEREES

Available Upon Request