

# Raymond Kipkorir - Software developer

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## Education

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### Jomo Kenyatta University of Agriculture and Technology

Bachelor of Science in Telecommunication and Information Engineering

Juja, Kenya

- **Relevant Coursework:** Operating system, C, C++, Computer networks, Arduino programming, Database management

### Kapsabet High School

KCSE GRADE A-

Nandi, Kenya

## Experience

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### Space ya Tech

Feb 2023 – present

Backend developer

Nairobi, Kenya

- Collaborated with other team members to redesign the backend of Space Ya Tech's official website using Django and PostgreSQL.
- Integrated Mpesa's Daraja API to allow online purchases of SpaceYaTech swaggs.
- Introduced automated testing using unit tests, increasing backend test coverage by 30%
- Optimized PostgreSQL database queries, reducing page load times by 15% and enhancing overall application performance

### Ramana Tech School

June 2023 – Aug 2023

Software developer Intern

Nairobi, Kenya

- Collaborated with other team members to build a data governance tool using FastAPI.
- Gathered all database logs into a CSV file. Performed data cleaning on it improving its data quality by 30%
- Used Python to connect to multiple databases such as MongoDB, PostgreSQL, and MySQL
- Contributed to the adoption of agile methodologies, utilizing Jira and Confluence, improving team productivity by 15% through iterative development cycles.

## Projects

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### StoryHub | Django, Redis, PostgreSQL, Docker, Bootstrap

- Cached complex queries using Redis reducing response time by 40%
- Wrote unit tests that significantly raised backend test coverage to 93%
- Implemented follow, like, and bookmark functionality enhancing user engagement.
- Implemented Authentication and Authorization via OpenID Connect which led to an increase in the number of onboarding users.

### Pydaraja | Python, Mpesa's Daraja API

- Allows developers to seamlessly interact with the MPESA's Daraja API and manage payment requests within their Python applications.
- Built a CI/CD pipeline using GitHub Actions ensuring consistent and reliable releases.
- 50+ downloads on Python Package Index.

### Note taking APP | Django Rest Framework, React with Typescript, Material UI, PostgreSQL

- Developed scalable and secure Restful APIs using Django Rest Framework to retrieve and manipulate data from PostgreSQL database, ensuring optimal performance.
- Used JWT tokens(access and refresh) to handle user authentication.
- Built a CI/CD pipeline using GitHub Actions and deployed the backend on Render and frontend on Vercel.

## Technical Skills

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**Languages:** Python, Golang, TypeScript

**Technologies:** Django, Flask, React, PostgreSQL, MongoDB, Git, AWS, Ansible, Terraform