

# Ian Bwana

SOFTWARE ENGINEER

## Employment History

### Senior Software Engineer | Technical Lead, Route.Money, Nairobi (remote)

NOVEMBER 2022 – PRESENT

- Work on all levels of the web/mobile stack (JavaScript, Python/Flask, PostgreSQL)
- Help establish technical standards and best practices
- Developed software and systems using test driven development and continuous integration practices; established monitoring and automation processes
- Developed and tested 150+ tests procedures for software features
- Maintaining +6 software systems, fixing breakages and handling changes.
- Set up full CI/CD pipeline to standardize the delivery and test commits as well monitoring and logging to improve telemetry
- Instrumental in providing product management support.

### Senior Backend Engineer, Community Phone Organization, Boston, MA (remote)

DECEMBER 2021 – SEPTEMBER 2022

- Worked with product team to re architect back end platform, making it more robust, performant and fault tolerant.
- Designed and implemented logic new shipping and delivery platform that increased fulfillment efficiency by 30%.
- Refactored the subscription management algorithm leading to savings of up to \$100,000 a year
- Wrote tests for existing software and refactored the captured bugs increasing efficiency by 15%.
- Implemented CI/CD pipeline with automated tests which decreased risks while improving the release cycle
- Designed and implemented the system's main data pipeline, leading to better data collection and management and easier business critical decision making

### Senior Software Engineer | Mobile Lead, Sky.Garden, Nairobi

DECEMBER 2018 – NOVEMBER 2021

- Led the mobile application development team in building, testing and maintaining 3 mobile applications on the google play store and apple app store.
- Conducted technical presentations with potential investors and partners regarding various capabilities and features of the company's mobile applications.
- Worked as part of backend team, helping build features and scaling the infrastructure to handle millions of dynamic requests
- Upgraded the customer facing website into progressive web application and deployed to the Play store.

## Education

### B.Sc Information Systems, United States International Univeristy - Africa, Nairobi

AUGUST 2012 – AUGUST 2016

## Contact Details

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## Links

LinkedIn:

<https://www.linkedin.com/in/ianbwana>

Website:

<https://www.bwana-io.com/>

## Skills

Languages (Python, JavaScript, Go)

Frameworks (Flask, Django , FastAPI, React Native, React)

Infrastructure( AWS, DigitalOcean, Firebase, Terraform, Docker)

Data Processing and storage (Postgres, MySQL, SQL Server, MongoDB, Cassandra, Redis, BigQuery)

Infrastructure ( Docker, Azure, AWS, DigitalOcean, Github Actions.)

Tools & More(Git, HTTP, RESTful API Design, Microservices, Agile methodologies)

Creative Problem Solving and Engineering Leadership