Ian Bwana
Software Engineer

Ian Bwana
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Skills

Programming languages: Python, JavaScript

Libraries and FrameWorks: Flask, Django, FastAPI, Node, Express, React, React Native

Data Processing and Storage: SQL server, Oracle, PostgreSQL, MongoDB, Redis, RabbitMQ

Infrastructure: Docker, Nginx, Gunicorn, Azure, AWS, DigitalOcean, Github Actions, BigQuery

Tools & More: Git, HTTP, RESTful API Design, Agile methodologies, Engineering Leadership

Experience

Community Phone Organization / Software Engineer
2021 - PRESENT, Remote, Boston, MA

Set up CI/CD pipelines.

Participate in weekly sprints working on features, debugging and technical support to our internal users.

Setup and configuration of infrastructure and tools used by the backend software.

Participate in engineering meetings with different teams across different time zones to align on goals and deliverables.

Set up data pipelines and dashboards that provide analytics for critical business reporting

Key Achievements: Part of a three man team that successfully integrated T-Mobile's network provision into our MVNO services scaling the company's 4G network coverage throughout North America.

Sky.Garden / Senior Software Engineer(Technical Lead-Mobile)
December 2018 - December 2021, Remote, Nairobi, Kenya

Integral in the development of all customer facing software solutions including: Sky.Garden E-commerce website, Merchant App and Merchant Portal which translated into a 20% monthly increase of user uptake.

Led the development, launch and training on new shipping and fulfillment applications translating into direct investment into the company spearheaded by Google and Mercy Corps Youth Impact Labs.

Built multiple features end-to-end spanning the back-end, front-end, and mobile implementations as well as DevOps tasks on Azure.

Promoted to lead developer for all mobile SaaS solutions provided by the organization; in-charge of setting code standards, development as well as maintenance of said solutions.

Instrumental in ideation and UX research of multiple features and solutions.

Led several presentations and training sessions for customers of various software technologies offered by the organization.

Participated in technical presentations with potential investors and partners regarding the various capabilities and features of Sky.Garden's mobile application

Key Achievements: Sky.Garden Merchant App won Best Ecommerce App 2019.

Freelance Software Developer
DECEMBER 2017 - NOVEMBER 2018, Nairobi, Kenya

Delivered performance-driven and user-centric websites that met all business requirements, Managing milestones from initial steps through final delivery.

Gathered and defined customer requirements to develop clear specifications for creating well-organized project plans.

Djuaji / Junior Software Engineer
JULY 2017 - NOVEMBER 2017, Nairobi, Kenya

Part of a 7 member team of engineers which built a successful startup that raised investment from savannah.vc.

Participated in design and implementation of team-wide planning, development, and release processes.

Implemented numerous hotfixes for critical issues arising between Agile sprints.

Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs and enhancements.

Employed debugging tools to promptly correct code issues.

Participated in daily scrum meetings with team updates.

Stealth Africa Consulting LLP / Cybersecurity Analyst
JANUARY 2017 - JUNE 2017, Nairobi, Kenya

Established a Cybersecurity division which generated 50 percent of the organization's revenue within 3 months.

Directed the in-house cyber security auditing program to detect flaws and weaknesses in Digital Financial Services systems for banks and micro- lenders funded by IFC World Bank.

Created cybersecurity best practice communications to educate staff against known threats and potential vectors of attack.

Designed company-wide policies to bring operations in line with Center for Internet Security (CIS) standards.

Conducted security audits to identify vulnerabilities. Performed risk analyses to identify appropriate security countermeasures and recommend improvements in security systems and procedures.

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Education

UNITED STATES INTERNATIONAL UNIVERSITY - AFRICA

B.Sc Information Systems and Technology
Major: *Forensics Information Technology and Cybersecurity.*
AUGUST 2012 - AUGUST 2016, Nairobi, Kenya

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Awards and Accomplishments

Nairobi Tech Week 2016 Hackathon Finalist(3rd place) receiving a $9000 grant from Twitter along with two teammates.

Co-authored two reports as part of the school's Centre for Informatics Research and Innovation:

- Africa Cybersecurity Report 2016
- Uganda Cybersecurity report 2017

*Referees available on request