COLLINS KIPLIMO

SOFTWARE ENGINEER

PROFILE

My primary objective in life is to have an impact... on my team, my community, and the world. My goal is to do this by offering software and infrastructure solutions to real-world issues while also creating and using Free and Open Source Software.

CONTACT

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EDUCATION

August 2014 - August 2018

BACHELOR IN COMPUTER SCIENCE,

Second Upper Class Honours
MOI UNIVERSITY

Eldoret

KEY SKILLS

- DevOps
- Python
- PostgreSQL
- Docker and Kubernetes
- Django-Framework
- Flask Framework

PROFESSIONAL EXPERIENCE

Software Engineer

Contract: BettyBlocks – Alkmaar, Netherlands

September 2022 – April 2023

- Background writing code and developing systems for a low code no code SAAS platform.
- Reviewed project specifications and designed technology solutions that met or exceeded performance expectations.
- Accomplished software troubleshooting and resolving issues by debugging programs and managing expectations.
- Designed and architected solutions for various problems raised by customers.
- Participated in architecture, design and implementation of back-end features using Elixir, docker and JavaScript.
- Integrated third-party tools and components into pre-existing applications.
- Tested methodology with writing and execution of test plans, debugging and testing scripts and tools.
- Worked in an agile team, developing software based on a product manager's (owner) requirements.

Technical Lead

Power – Nairobi, Kenya

April 2020 – Present

- Designed reusable and reliable code for use within distributed cloud environments mainly Azure and Digital Ocean.
- Integrated into third party API's such as Safaricom (M-PESA), IPAY, Turaco Insurance, Healthy Kenya, Pesalink, I&M bank and Beyonic.

▪ Elixir	▪ Deployed systems to various cloud architectures such as Azure and Digital Ocean.
	▪ Administered, supported and monitored databases by proactively resolving database issues and maintaining servers.
	▪ Configured Nginx as a reverse proxy for deployed solutions on cloud.
	▪ Led version control efforts for Power, employing GitHub and other public and open source repositories.
	▪ Derived conceptual designs from business objectives to deliver software and applications according to specifications for usability, performance and functionality.
	▪ Trained and managed a team of 3 of developers.
	▪ Led server infrastructure development, quality assurance, staging and production systems.
	▪ Planned and implemented Software upgrades to system hardware and software, resulting in increased stability and more uptime.
	▪ Deployed websites as applications using Docker and Kubernetes.
	▪ Worked with Redis to queue software tasks for improved performance.
	▪ Authored code fixes and patches when issues arose regarding various components of the system.
	▪ Created API's to be used internally and by external parties integrating with the system.
	▪ Carried out unit testing on the developed software product to ensure scalability and security.
	▪ Deployed the built software on servers and carried out security configurations using a Firewall, as well as VPN set up for enhanced privacy and security.
	### Software Developer and DevOps
	Telkom Kenya – Nairobi, Kenya
	January 2019 – March 2020
	▪ Management of the TELKOM Kenya Mobile Money platform (TKASH), a product similar to M-PESA.
	▪ Planned and implemented security upgrades to system hardware and software, resulting in a secure stable system.
	▪ Worked on WSO2 middleware to create API's and carry out integrations.
	▪ Integrated with BongaSMS to avail SMS services to clients.
	▪ Deployed updates and fixes to T-KASH.
	▪ Investigated and resolved technical issues arising on production.
	▪ Developed Python scripts to automate visualization and for alerting staff when the server went down.
	### Quality Assurance
	KABARAK UNIVERSITY – Nakuru, Kenya
	September 2017 – December 2018

- Developing and executing test cases for the University Applications
- Documented quality assurance activities with internal reporting and audits
- Implemented networking infrastructure within the new School of Medicine