

Nickson Kaigi

Software Engineer

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PROFESSIONAL SUMMARY

Full-Stack Software engineer, with over a decade of experience working with Python and Agile Software Development Practices. Driven individual, with a background in Computer Science and vast experience in Software Development, Engineering Design and Open Source Software solutions in developing and shipping software and data products.

EXPERIENCE

SKUify Limited

Full Stack Engineer

United Kingdom - Remote

December 2023 - December 2024

- Contributed to the successful development of the SKUify SaaS, enhancing inventory management and pricing optimization for Amazon and Arbitrage sellers, resulting in improved user engagement and operational efficiency.
- Designed and implemented PostgreSQL table partitioning for high-volume datasets, cutting query latency by 30% and improving API load times by 50%.
- Maintained CI/CD pipelines in Jenkins for routine deployment to our test and production servers, ensuring smooth operations and monitoring of projects.
- Designed and developed seller dashboards by integrating Amazon SP-API (Selling Partner API) to fetch, process, and visualize critical sales performance reports, enhancing data-driven decision-making.

Project Tech Stack: Python, Django, Django REST Framework, React, PostgreSQL, Celery, Jenkins, Amazon SP-API

FreeCast Inc

Back-end Engineer

United States of America - Remote

September 2022 - November 2023

- Played a role in the transition of the FreeCast APIs from Django REST Framework to FastAPI, increasing the number of Requests per Second (RPS) that the project could handle.
- Developed and deployed microservices-based API endpoints on AWS Lambda using Docker for containerization.
- Actively participated in collaborating with cross-functional teams to ensure alignment with Agile methodologies.

Project Tech Stack: Python, FastAPI, Django, Django REST Framework, Serverless, Microservices, MySQL, Docker, GitHub Actions

Sum Software Limited

Full Stack Engineer

United Kingdom - Remote

November 2021 - July 2022

- Built the "Journey" component of the Sumfully SaaS, streamlining inventory management for Amazon and Arbitrage sellers, incorporating feedback from stakeholders to align with the evolving software development practices.
- Developed custom Python scripts that generated report data from Amazon Marketplace Web Service (MWS) that was SOAP based API.

Project Tech Stack: Python, Django, Django REST Framework, React, PostgreSQL, Celery, Jenkins

World Bank Group

Technical Consultant

United States of America - Remote

December 2021 - January 2022

- Led the development of the Personal Case Based Teaching (PCBT) prototype that aimed to analyze past judgments in courts of law in a bid to determine judgmental bias. This project involved the use of monitoring tools to track performance and operations.

Project Tech Stack: Python, Django, Django REST Framework, React, PostgreSQL, Celery, Jenkins

Maxum Data Limited

Lead Developer

New Zealand - Remote

June 2015 - October 2021

- Developed the mPort project that tracked mobile phone number portability across mobile network operators in New Zealand, resulting in seamless mobile network operator migration.
- Developed a search tool for custom Toll Free numbers that lead to an increase in toll free number uptake from users.
- Wrote Lua scripts that allowed customization of Freeswitch, simplifying customization tasks for the network operation team

Project Tech Stack: Python, Django, MySQL, Lua,

Domains Bot

Senior Python Engineer

Italy - Remote

June 2015 - September 2015

- Played a key role in the database redesign and upgrade on the Domains Bot project leading to 10% in faster database queries and shorter API response times.

Project Tech Stack: Python, Django, MySQL

SunUp Financial LLC

Senior Python Engineer

United States - Remote

May 2014 - January 2015

- Worked on the development of the "Balance Credit" web project that created the onboarding process for customers of the Company's Pay Day loans product, emphasizing with the design team to enhance user experience.

Project Tech Stack: Python, Django, MySQL, JQuery

Soko Inc.

Senior Python Engineer

Nairobi, Kenya

July 2013 - April 2014

- Led the development of a Android mobile application for Soko Artisans.
- Participated in REST API development on the project that were used on by the Mobile application.
- Worked on the transition of the Soko web project from Django Framework to the Pyramid Web Framework.

Project Tech Stack: Python, Django, Django REST Framework, Pyramid Framework, MySQL, Android.

Sweet Relish LLC

Senior Python Engineer

USA, Remote

December 2012 - July 2013

- Worked on the Sweet Relish mobile website that was based on JQuery mobile.
- Contributed bug fixes on the project, enhancing overall application performance.

Project Tech Stack: Python, Django, MySQL

Code Painters LLC

USA, Remote

Lead Engineer

September 2012 - November 2012

- Led the development Gym management website that included subscription management and gym session reservation.

Project Tech Stack: Python, Django, MySQL, JQuery

Apartment Rentals

USA, Remote

Python Engineer

April 2012

- Worked on bug fixes to the project

Project Tech Stack: Python, Django, MySQL, JQuery

MANteresting

USA, Remote

Django Developer

March 2012 - April 2012

- Led the development of version 1 of MANteresting REST APIs that were used on the mobile version of the project, ensuring adherence to Agile methods.
- Worked on bug fixes

Project Tech Stack: Python, Django, REST API, MySQL, JQuery

Alliance Technologies Limited

Nairobi, Kenya

Software Engineer - Intern

September 2011 - December 2011

- Developed a mobile version proof of concept for the A1 ERP.

Project Tech Stack: Java, J2ME, PostgreSQL

EDUCATION

Jomo Kenyatta University of Agriculture and Technology | *Bsc. Computer Science* **2012**

- Second Class Honors, Upper Division
- Coursework: Computer Programming, Data Structures and Algorithms, Database Management, Computer Security

CERTIFICATION & AWARDS

Kotlin for Java Developers, Coursera.

2019

SKILLS & INTERESTS

Technical Python, Django, MySQL, PostgreSQL, JavaScript, React Js, Next Js, Linux, Open Source Software.

Interests Chess