

# Nickson Kaigi

Software Engineer

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## PROFESSIONAL PROFILE

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- Results-driven **Full-Stack Python Engineer** with decade of experience building **high-performance SaaS solutions**
- Specialized in **Database optimization, CI/CD pipelines, and API integrations**
- Adept at leading technical projects from concept to deployment using **Agile methodologies** and **cloud architectures**

## TECHNICAL EXPERTISE

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**Backend** Python, Django, FastAPI, Django REST Framework, Celery.

**Frontend** React, Next.js, jQuery(legacy).

**Databases** PostgreSQL, MySQL.

**Cloud/DevOps** AWS, Docker, Jenkins, GitHub Actions.

## EXPERIENCE

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### SKUify Limited

*Full Stack Engineer*

**United Kingdom - Remote**

*Dec 2023 – Dec 2024*

- **Database Optimization:** Partitioned PostgreSQL tables for high-volume datasets, reducing query latency by 30% and improving API response times by 50%.
- **Seller Analytics:** Built dashboards integrating Amazon SP-API, automating sales reports for 500+ users and enhancing decision making.
- **CI/CD:** Maintained Jenkins workflows for zero-downtime deployments, improving release efficiency by 20%.

*Tech Stack: Python, Django, React, PostgreSQL, Digital Ocean, Celery, Jenkins*

### FreeCast Inc

*Back-end Engineer*

**United States of America - Remote**

*Sep 2022 – Nov 2023*

- **API Performance:** Migrated REST APIs from Django REST Framework to FastAPI, increasing throughput by 40% (RPS) and reducing latency.
- **Microservices Architecture:** Deployed serverless endpoints on AWS Lambda using Docker containerization, cutting infrastructure costs by 25%.
- **Agile Development:** Collaborated cross-functionally in 2-week sprints to deliver features.

*Tech Stack: Python, FastAPI, Django, AWS Lambda, MySQL, Docker, GitHub Actions*

### Sum Software Limited

*Full Stack Engineer*

**United Kingdom - Remote**

*Nov 2021 – Jul 2022*

- **Feature Development:** Built the "Journey" component of the Sumfully SaaS, streamlining inventory management for Amazon and Arbitrage sellers.
- **Report Generation:** Developed custom Python scripts that generated report data from Amazon Marketplace Web Service (MWS) that was SOAP based API.

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

## World Bank Group

*Technical Consultant*

**United States of America - Remote**

*Dec 2021 – Jan 2022*

- **Legal Analytics Prototype:** Developed a tool to analyze 10,000+ court judgments for bias detection using Python/Django.

*Tech Stack: Python, Django, React, MySQL*

## Maxum Data Limited

**New Zealand - Remote**

*Lead Developer*

*Jun 2015 – Oct 2021*

- **mPort System:** Built mobile number portability tracker that facilitated seamless network operator migration for 10,000+ users.
- **Tool-Free Number Search:** Created a search tool increasing toll-free number adoption by 35%.
- **Customization** Wrote Lua scripts for FreeSwitch, reducing network team's setup and customization time by 50%

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

## Domains Bot

**Italy - Remote**

*Senior Python Engineer*

*Jun 2015 - Sep 2015*

- Redesigned database schema, improving query speed by 10%.

*Tech Stack: Python, Django, MySQL*

## SunUp Financial LLC

**United States - Remote**

*Senior Python Engineer*

*May 2014 – Jan 2015*

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

*Tech Stack: Python, Django, MySQL, jQuery*

## Soko Inc.

**Nairobi, Kenya**

*Senior Python Engineer*

*Jul 2013 – Apr 2014*

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

*Tech Stack: Python, Django, Django REST Framework, Pyramid Framework, MySQL, Android*

## Sweet Relish LLC

**USA, Remote**

*Senior Python Engineer*

*Dec 2012 - Jul 2013*

- Fixed critical bugs on jQuery Mobile application, enhancing performance.

*Tech Stack: Python, Django, MySQL*

## Code Painters LLC

**USA, Remote**

*Lead Engineer*

*Sep 2012 - Nov 2012*

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

*Tech Stack: Python, Django, MySQL, jQuery*

## Apartment Rentals

**USA, Remote**

*Python Engineer*

*Apr 2012*

- Worked on bug fixes to the project

*Tech Stack: Python, Django, MySQL, jQuery*

## MANteresting

**USA, Remote**

*Django Developer*

*Mar 2012 - Apr 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.

*Tech Stack: Python, Django, REST API, MySQL, jQuery*

## Alliance Technologies Limited

*Software Engineer - Intern*

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

*Tech Stack: Java, J2ME, PostgreSQL*

**Nairobi, Kenya**

*Sep 2011 - Dec 2011*

## EDUCATION

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**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

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Kotlin for Java Developers, Coursera.

2019