

Arnold Nderitu Muriuki

Contact Information

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Objective

As a backend developer with 5 years of experience in Flask and Django, I'm driven to improve company processes and make a positive social impact with my skills.

Professional Experience

Senior Software Engineer, **FACTS Africa**

April 2021 – Present

- Designed and developed a custom web-based system using Django that facilitated loan application processes, resulting in faster and more efficient transactions for SMEs in Kenya and Uganda.
- Developed a dashboard that provided real-time insights on loan performance, enabling management to make data-driven decisions.
- Optimized the platform's performance by implementing background tasks using Redis, resulting in reduction of page load times for end-users.
- Contributed to the development of a robust and scalable code base by adhering to best practices in software design, testing and documentation.

Technical Lead, **WazInsure Services Limited**

February 2020 – December 2020

- Led a team of two engineers in building the company's suite of mobile and web-based software solutions, utilizing Python (Flask), Node.js, C#, Kotlin and PostgreSQL.
- Utilized Ansible for faster and more efficient deployments, resulting in reduction of deployment time.
- Designed and implemented a prioritization model to streamline task management resulting in increased productivity.

- Integrated Gitlab repositories with Slack using webhooks to track and review team progress against daily goals set during daily stand-up.
- Conducted pair-programming sessions to diffuse knowledge and improve collaboration among the team.

Backend Developer, **Tech Factory Ltd**

April 2019 – November 2019

Worked on an 8-month project to develop a web-based application for medical researchers. My role involved designing and developing various micro-services using Django, Flask, and Node.js. Specifically, I contributed to the following components:

- Designed and implemented an authentication service using Flask and PostgreSQL to secure the application and ensure only authorized users could access the platform.
- Developed an article fetcher service with Flask, which consumed two external APIs (PubMed and Medline medical databases) to retrieve medical articles in XML format.
- Designed and implemented a queuing system with Django to post articles retrieved from the APIs to a MongoDB database for storage.
- Built an API gateway service with Node.js to connect the various micro-services and ensure they could communicate seamlessly.

Applications Specialist, **Deloitte East Africa**

November 2017 – March 2019

Collaborated with internal teams to understand user requirements and provide technical solutions for building business applications that supported the firm's internal operations. Key accomplishments include:

- Led the development of an expense management system using ASP.NET Web Forms and MS SQL Server, working closely with finance and accounting teams to understand their specific needs and ensure compliance with company policies.
- Coordinated with multiple teams to build a system for onboarding contractors using ASP.NET Web Forms and MS SQL Server, streamlining the onboarding process and reducing administrative overhead.