Paul Ndambo

Kenyan | Nairobi, Kenya | +254745491093

paulkadabo@gmail.com | [Paul Ndambo - Linkedin](#) | [Paul Ndambo - GitHub](#)

SUMMARY

Am a highly skilled Software Developer with over 3 years of professional experience in designing, developing, and maintaining robust backend systems. Proven expertise in leveraging cutting-edge technologies to optimize application performance and scalability.

TECHNICAL SKILLS

1. Over 4 years of experience **Python** and **JavaScript** Programming.
2. Solid understanding of Object Oriented and Function Programming in Python and JavaScript.
3. Experienced in building Restful APIs using **Django Rest Framework** and **ExpressJs**.
4. Experienced in building fullstack web applications using **Django**.
5. Experienced in implementing efficient message brokers and task queues using **RabbitMQ, Celery**, and **Redis** for handling asynchronous tasks.
6. Working experience in implementing testing automation using **Mocha** and **Chai** in JavaScript and **Pytest** in Python.
7. Experienced in **Git**, **GitHub**, **Gitlab** and **Bitbucket** for version control and code collaboration.
8. Experienced in working with various databases, including **MySQL**, **PostgreSQL**, and **MongoDB,** to efficiently manage and store data.
9. Well-versed in containerization technologies like **Docker** and have practical knowledge **Kubernetes** and **AWS** services such as RDS, EC2, S3 and EKS.
10. Familiar with continuous integration and delivery practices, including **GitLab CI**, **Travis CI**, and **GitHub Actions**, to automate the testing and deployment processes for smooth project workflows.
11. Working experience with ReactJs, Bootstrap, HTML and CSS.

PROFESSIONAL WORK EXPERIENCE

GomyCode, Nairobi, Kenya (Remote)

Freelance Coding Instructor   November 2023 -

1. Tutoring students on software development using Python.
2. Holding masterclasses mainly for Python Programming, Data Analysis and Web Development.
3. Assessing students' assignments, providing feedback and grading.
4. Holding one-on-one sessions with students.

Ryanada Limited, Juja, Kenya

Contract Python Developer   **August 2023 – October 2023**

1. Developing fullstack web applications using Python and Django.
2. Designing, developing, testing, documenting and deploying containerized backend web services on EKS.
3. Integrating Third Party APIs such as payment APIs and SMS APIs.
4. Deploying customer applications on ubuntu servers and Kubernetes.
5. Setting up CI/CD workflows using Gitlab CI and GitHub Actions.
6. While on this role I also working on internal Influencer Marketing platform which aims to democratize the way brands interact with influencers on promotion deals and campaigns.

Click2Sure Holdings LTD, Cape Town, South Africa (Remote)

Contract Backend Developer   **March 2022 – August 2023**

1. Collaborated seamlessly with fellow backend developers to implement **GitLab runners** for the company's **CI/CD** infrastructure on **GitLab**, resulting in substantial cost savings by eliminating the need for external runner services.

2. Spearheaded cross-functional collaboration to optimize the company's **CI/CD pipelines**, leading to significant reductions in build times. These enhancements enabled the rapid delivery of application features to test and production environments, ensuring timely fulfilment of customer expectations.

3. Led a successful initiative to modernize the codebase, transitioning from **Django 2.2** and **Python 2.7** to the latest **Django 4.0** and **Python 3.10**. The new codebase unlocked numerous optimization opportunities, resulting in a more efficient and maintainable system.

4. Took charge of end-to-end development on assigned projects, from conceptualization to implementation. Designed robust use cases, established **Docker** and **Kubernetes** workflows, set up efficient pipelines, and skilfully managed databases on **AWS**.

5. Demonstrated commitment to clarity and excellence by diligently documenting **APIs** and providing exceptional technical support to frontend developers, ensuring smooth and effective collaboration across the development team.

Esently, Warsaw, Poland (Remote)

Contract Cloud Backend Developer   **July 2022 – October 2022**

1. Led collaborative efforts with the internal development team to establish efficient **CI/CD** workflows utilizing **GitHub Actions**. This streamlined the deployment process to **Google Cloud Functions**, enabling the timely delivery of frontend and backend features.

2. Proficiently designed and thoroughly documented **APIs** using **Flask** and **Swagger**, ensuring clear and accessible communication between components and facilitating seamless integration with external systems.

3. Played a key role in the integration of **Stripe** as the payment service provider by actively collaborating with the internal development team. This enhancement enriched the platform's capabilities, enabling secure and smooth payment processing for users.

Roadtrippers, Ohio, USA (Remote)

Contract Automation Testing Eng. October 2021 – December 2021

1. Developed comprehensive API automated testing scripts utilizing **Node.js**, **Mocha**, and **Chai**, to ensure the reliability and stability of the application's backend functionalities.

2. Skilfully created **BDD** testing scenarios using **Cucumber** and **Gherkin**, providing clear and well-structured guidelines for testing and validating system behaviour.

3. Fostered seamless collaboration by actively engaging with both the internal backend and frontend development teams, contributing to a cohesive and agile development process.

Workfleek Technologies, Nairobi, Kenya (Remote)

Junior Fullstack Developer August 2021 – December 2021

1. Spearheaded the development of a **SAAS** platform for pharmacies and medical product outlets in a highly effective team of three developers. My primary focus centered on architecting and building the delivery and billing **microservices**, employing **Node.js**, **Express.js**, and **MongoDB.**

2. Conducted rigorous code reviews, ensuring the quality and adherence to best practices across the team's deliverables.

3. Streamlined application deployment and management by expertly containerizing applications using **Docker**, optimizing scalability and resource utilization.

Workfleek Technologies, Nairobi, Kenya (Remote)

Fullstack Developer Intern (Remote) May 2021 – July 2021

1. Proactively completing assigned tasks while maintaining transparent communication with my supervisor to ensure timely progress updates.

2. Successfully collaborated with fellow interns to develop a comprehensive health records collection, analysis, and reporting platform. I took a pivotal role in crafting and documenting **APIs** using **Python, Django Rest Framework**, and **Swagger Docs**, ensuring seamless integration and efficient data communication.

TRAINING

1. FreeCodeCamp JavaScript Data Structures and Algorithms Certification.
2. Sololearn JavaScript, Python and SQL Certifications.
3. Python Mastery Course – Coding with Mosh.
4. Ultimate Docker Course – Coding with Mosh.
5. Ultimate Django Developer – Coding with Mosh.
6. RabbitMQ Training Course - by CloudAMQP.
7. Real World Python Test Automation Using Pytest – Udemy.
8. GitLab CI: Pipelines, CI/CD and DevOps for Beginners – Udemy.
9. Programming in Python – Coursera.
10. Meta Backend Developer Professional Certificate (Python & Django) - Coursera.
11. Andela React Learning Program.

PROJECTS

1. DigiCafeteria

Digicafeteria is a highly efficient and user-friendly web-based platform developed with Django, catering specifically to service providers in the food industry. The primary objective of this platform is to streamline the entire process, from receiving orders to distributing food and generating meal cards.

So far have been able to sign one customer who runs a university food cafeteria in multiple universities in Kenya. Since the adoption of this system, they have realized increased revenue of over 22% in the last 2 months.

2. CSV and Excel Reconsiler

The CSV and Excel Reconsiler is an open-source project have been working on which allows a user to submit two files csv/excel report/data files which are then compared row by row to generate a report which show all the differences between the files. The project has a web interface built using Django and Bootstrap and a command line interface built using Python.

EDUCATION

2018 – 2023

Masinde Muliro University of Science and Technology

Bachelor of Science Information Technology (Second Class Upper Division)

<u>REFERENCES</u>

Available upon request