

Faraji Shikanda Ombonya

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Skills

- Programming languages: Python (Expert), JavaScript(Expert), TypeScript, Go, CSS3, HTML5
- Frameworks & Libraries: Django & DRF, Fast API, Flask, React, NextJS, Tailwind, GIN, GORM
- Unit testing: pytest, unittest & coverage.py
- Static typing with mypy
- Databases Management Systems: MySQL, PostgreSQL, MongoDB, DynamoDB
- In memory data store, Message brokers: Redis & RabbitMQ
- Object Storage: Amazon S3 & Azure Blob Storage
- Source Code Control & Versioning: Git & GitHub
- Project Management: Notion, Jira & Github Projects
- Natural Language Processing: Word2Vec
- Machine Learning & Data Science: Pandas, Numpy, Matplotlib, Scikit-Learn, Jupyter
- Continuous Integration & Continuous Deployment: Github Actions, Github workflows
- Containerization & Container orchestration: Docker, Kubernetes & Minikube
- Using NGINX as a high performance web server and a reverse proxy
- API Documentation: Postman & drf-spectacular(Swagger UI, Redoc)

Work Experience

Full Stack Software Engineer

Dec 2023 - Nov 2024

Sparepap Limited, Nairobi Kenya

- Enhanced, optimized, and introduced new features to the core API, resulting in improved performance and faster response times.
- Upgraded and streamlined the main marketplace, boosting user experience and increasing overall usability.
- Refined and expanded the Operations Management System (OMS), achieving significant improvements in both performance and user interface.
- Created a high-efficiency Content Management System (CMS) that empowered the marketing team to update marketplace content 3x faster.
- Engineered a digital accounting ledger, transforming payment tracking processes for improved accuracy and efficiency.
- Designed and deployed a cost-saving URL Shortener Service, reducing SMS overhead by compressing long URLs.
- Tech stack: Python, JavaScript, Django, Django Rest Framework, React, RESTful APIs, Microservice Architectures.

Back-End Software Engineer (Part Time)

Aug 2023 - Nov 2023

Cintelcore, Nairobi Kenya

- Architected and developed the back-end of a Visitor Management System utilizing advanced facial recognition technologies (Kairos, Amazon Rekognition, Deepface) for secure visitor authentication.
- Led the full deployment of the system, including the front-end applications, to AWS cloud infrastructure for scalable and reliable performance.
- Tech stack: Python, JavaScript, Django, Django Rest Framework, Amazon Rekognition, RESTful APIs, Cloud Computing (AWS).

Back-End Software Engineer

Jun 2023 - Oct 2023

EpicApp Limited, Nairobi Kenya

- Built a notifications micro-service to efficiently manage real-time notifications for the core application, enhancing system communication and user engagement.
- Integrated Kenya Power and Lighting Company services into the core system.
- Integrated Kenya Airports Authority services into the core system.
- Tech stack: Golang, GORM, GIN, Python, Django, Django Rest Framework, RabbitMQ, Redis, Message & Task Queues, Micro-service Architecture, RESTful APIs, System Integration

Full Stack Software Engineer

Jan 2022 - May 2023

Freelancing

- Online Real Estate Management
- Image storage service
- Heart disease prediction system
- Python, Fast API, Django, Django Rest Framework

Projects

Lead Software Engineer

Nov 2024 - Mar 2025

Digital Elimu KE

- Designed and developed the API for the E-Learning platform.
- Integrated Zoom to implement interactive learning sessions.
- Integrated google calendar to efficiently handle scheduling and reminders.
- Integrated Mpesa to securely handle billing and payments.
- Python, Django, DRF, Javascript, TypeScript, React & React Native.

Education

Bachelor of Science in Information Technology

2018 - 2022

Maseno University, Kisumu, Kenya

- Software engineering
- Web applications and programming
- Object Oriented Programming
- Data structures and algorithms
- Design and analysis of algorithms
- Cloud computing and emerging applications
- System analysis and design
- Database systems
- Database administration