

Francis Maina Kabutha

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Skills

Languages: Ruby, JavaScript, TypeScript, Node.js, and Python

Technologies & Tools: ReactJS, MongoDB, PostgreSQL, Express, NestJS, Ruby on Rails, Azure, LLM

Work Experience

Nango (YC W23), California (remote)

December 2024 - Present *Integrations Engineer (Open Source Volunteer Contributor - Part time)*

- I develop and maintain integrations with third-party APIs such as HubSpot, Zapier, Accello and other SaaS platforms, contributing to Nango's library of 500+ integrations.
- Contributed to refining authentication flows, including OAuth, OAuth2, API Key, and Basic Auth, ensuring secure and seamless connectivity across various services.
- Fixed bugs concerning incremental data syncing, which optimised API synchronisation workflows and reduced API call overhead.
- Node.js, TypeScript, Webhooks, OAuth, API Gateways, Nango

ProcessMed Healthcare Ltd, Dubai (remote)

July 2023 - Present *Full Stack Developer (Backend Focus)*

- Collaborated with our international team in designing and implementing a robust rules engine to automate billing and medical coding error correction, resulting in a 20% improvement in the revenue cycle management workflow efficiency.
- Developed a highly interoperable electronic medical record (EMR) leveraging the HL7 FHIR standard, facilitating seamless integration with other healthcare systems. This resulted in a 10% customer increase due to improved interoperability with other systems.
- As a backend developer, I collaborated with the frontend team to deliver a robust and scalable Emergency Medical Services (EMS) application. This application is designed to streamline patient care by tracking their health status from the point of ambulance pickup to hospital arrival. This system enables faster response times, improved communication among emergency care providers, and easier billing of patients' medical insurers.
- React.js, Express, MongoDB, Git, GitHub CI/CD, HL7 FHIR, RabbitMQ, Docker, LLM, Google API

Sibasi Ltd, Nairobi (on-site)

July 2021 - June 2023 *Junior Fullstack Developer*

- I was part of the backend team responsible for building the company's flagship product, EBM Suite, a business management platform that helps hundreds of small and medium enterprises manage their sales, inventory, expenses, HR, payroll, and customer database.
- Developed an AI chatbot service, reducing customer service response time by over 50%.
- Implemented a comprehensive payment gateway solution, integrating Paystack and Daraja API to enable secure card and mobile money (M-PESA) transactions. This resulted in a 40% increase in both revenue and customer satisfaction.
- Developed and implemented Azure CI/CD pipelines, resulting in a 30% reduction in product delivery time.
- ReactJS, Node.js, NestJS, TypeScript, PostgreSQL, MongoDB, Nginx, Azure, GitHub CI/CD

April 2021 - June 2021 *Full Stack Developer Intern (backend focus)*

- Facilitated user testing of new features, leveraging my communication and analytical skills to collect valuable feedback that improved usability by 25%.
- Shadowed 3 senior engineers on a taxi-booking app project, gaining valuable insights into Agile project management methodologies and user story creation processes.

Education

University of Nairobi

B.Sc. in Economics and Statistics

2022

Awards and Certificates

- [Microsoft Azure Fundamentals Certification](#)