

DENNIS KIPKIRUI NGETICH

Full Stack Developer

Python | JavaScript | HTML | CSS | Flask | SQL | ReactJs | NextJs | ChakraUI | SQLAlchemy | Vuejs | Nodejs | PostgreSQL | MongoDB | Firebase (NoSQL) | Google Cloud | AWS RDS | TailwindCSS | Front-End Development | Back-End Development | Database Management | API Development | Version Control | Cloud Platforms | Responsive Web Design | Full Stack Web Development | Continuous Integration/Deployment (CI/CD) | Angular | Spring Framework | Intermediate Java | Project Management | Testing & Debugging | MySQL |

Tel : +254700632718 | Email : ngetichdennis90@gmail.com | Location : Nairobi, Kenya | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Accomplished Software Engineer with a strong foundation in full stack web development, specializing in building and deploying scalable applications using JavaScript frameworks such as ReactJS and NextJS, and back-end technologies like Python, Java, Flask, and SQL. Skilled in integrating cloud solutions with AWS and Google Cloud, and proficient in managing databases with MySQL and PostgreSQL to ensure seamless data flow and system performance. Adept at contributing to all phases of the software development lifecycle, delivering high-quality, efficient code, and utilizing version control systems like Git to maintain project integrity. Eager to bring expertise, contributing to the development of high-volume, low-latency applications for mission-critical systems.

PROFESSIONAL EXPERIENCE

Freelancer | June 2024 – Present

Key Achievements:

- Created new backend projects using python technologies.
- Engineering new applications using NextJS and Tailwind, delivering responsive and dynamic front-end solutions.
- Architecting web application backends utilizing Python with Flask and integrating CMS platforms such as Strapi to enhance content management efficiency.
- Spearheading collaboration with fellow developers on startup projects, successfully advancing the Fund Student project to its current development stage.
- Executing comprehensive testing and debugging for web applications, improving functionality for startups like Anza Village (STARTAZ ERP).

Student | November 2023 – June 2024

Moringa School

Key Achievements

- Innovated ReactJS applications, including a Gallery App, enabling efficient image storage for end-users.
- Diagnosed and resolved bugs in existing mini-projects, ensuring consistent functionality and reliability.
- Developed and deployed RESTful APIs using Python Flask, facilitating seamless POST, GET, PATCH, and DELETE operations for enhanced data management.
- Orchestrated the development of user-friendly and responsive applications in collaboration with colleagues, leveraging ReactJS.
- Integrated front-end and back-end developments, achieving seamless operation and data flow across applications.
- Constructed full-stack MERN applications with Firebase integration for backend development, optimizing performance and scalability.

TECHNICAL PROJECTS

BookaDoctor - [GitHub](#)

Full Stack web application allowing patients to book appointments with various categories of doctors based on their medical needs.

- Developed the front-end using Next.js and TailwindCSS.
- Built the back-end using STRAPI as the Content Management System (CMS).
- Integrated Google Cloud for real-time database management in payment processing.
- Employed PostgreSQL for database management and alternative solutions using Python with Flask.
- Utilized Git for version control and streamlined development.

Amazon Clone - [GitHub](#)

MERN stack web application replicating the core functionality of the Amazon e-commerce platform.

- Designed and implemented the front-end with ReactJS, incorporating Redux and Context for state management.
- Developed back-end using Firebase as a Backend-as-a-Service (BaaS) and NoSQL for database operations.
- Integrated APIs using ExpressJS, built on Node.js, and implemented real-time payment processing with Stripe.
- Automated Continuous Integration/Deployment (CI/CD) using Firebase emulators.
- Deployed on Google Cloud for real-time payment database integration.

Mazingira - [GitHub](#)

Full Stack web application for donors to contribute to organizations of their choice.

- Designed and implemented the front-end using ReactJS with Redux and Context.
- Built the back-end with Python's Flask framework and PostgreSQL for database management.
- Deployed the application using Render and implemented role-based login for admins, organizations, and donors.

GalleryApp (PixelHive) - [GitHub](#)

Web application for users to store and categorize images in personalized galleries.

- Developed the front-end using ReactJS, ChakraUI, and Formik for dynamic user interactions.
- Created modal functionality for image uploads using ChakraUI and deployed the app via Netlify.

Land Pro - [GitHub](#)

Land management system enabling users to query land information through a user-friendly command line interface (CLI).

- Developed the application using SQLite3 for database management.
- Created an intuitive CLI to query and retrieve data, designed for users with varying programming experience.

Delica Foods - [GitHub](#)

Food management system allowing users to browse and order preferred food items.

- Implemented the back-end using Flask with SQLAlchemy for API development.
- Designed the responsive front-end using ReactJS, allowing users to view, filter, and order available food products.

EDUCATION

Software Engineering | Nov 2023 - June 2024

Moringa School, Nairobi, Kenya

Bachelor of Science in Geospatial Engineering | Aug 2017 - May 2023

The Technical University of Kenya, Nairobi, Kenya

LANGUAGES

- ☒ English – Proficient
- ☒ Swahili – Native