

Isaac Ndirangu

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🖱 Portfolio

PROFILE

Junior software engineer with a passion for developing innovative programs that expedite the efficiency and effectiveness of organizational success. Well-versed in technology and writing code to create systems that are reliable and user-friendly. A skilled leader who has the proven ability to motivate, educate, and manage a team of professionals to build software programs and effectively track changes. Confident communicator, strategic thinker, and innovative creator to develop software that is customized to meet a company's organizational needs, highlight its core competencies, and further its success.

PROFESSIONAL EXPERIENCE

Software Engineer Volunteer

07/2022 – 12/2022

Cytix Limited

London,

United Kingdom

- Write reusable, effective, and scalable JavaScript and TypeScript code.
- Implemented front-end components with progressive Vue.js framework.
- Collaborated with the product team to develop the front end of a SAAS application, used to test vulnerabilities in other web applications, using vue.js.
- Received mentorship from a senior software engineer while implementing feedback on integrating Vue.js front end with the back-end API endpoints.
- Diagnose and fix bugs and other software defects in new and existing Vue applications.
- Received mentorship about how to build a scalable full-stack web application, how to effectively work in a start-up, and how to implement the Do not Repeat Yourself (DRY) principle.
- Used Figma to design frontend pages, and ensured to follow principles of design.

PROJECTS

Store website [🔗](#)

2022

Used Django and React to build a website for a storage company. The website has a multiuser authentication for the admin and clients. The admin uses the dashboard to add, update or delete storage units based on their availability.

Quotes app [🔗](#)

2022

Used Angular CLI to create a web application where users can post quotes with title, author, quote and the name of the person who submitted the quote. Other users can comment, upvote or downvote on a quote.

Neighborhood application [↗](#)

2021

Used Django to create a web application that allows users to register in a neighborhood, access important contacts within the neighborhood, such as police and healthcare, and change their neighborhood when they move out.

EDUCATION

Software Development

2021 – 2022

Moringa School [↗](#)

Nairobi, Kenya

Relevant modules: Python and JavaScript Programming languages; Django, Node.js and Flask back-end development frameworks; Angular and React Front-end development frameworks; Database management using PostgreSQL and MongoDB; Data Structures and Algorithms; Git and GitHub collaboration; HTML and CSS.

Bsc. Computer Science

2014 – 2018

Jomo Kenyatta University [↗](#)

Nairobi, Kenya

Relevant modules: Systems Analysis and Design; Abstract Data Types and Algorithms; Object Oriented Programming; Python programming; Cybersecurity; Design and Implementation of Computer Applications; Programming Paradigms

COURSES

Agile Essentials [↗](#)

2022 – 2022

Alison

Learned about the application of agile methodology in developing software applications and in project management.

SKILLS

Back-end Development



Django, Flask, Python

Problem solving



Capable of breaking down complex problems into sub-problems, through abstraction, and developing an algorithm to solve them.

Communication skills



Active listening; sharing feedback; non-verbal cues; volume and clarity

Database knowledge



Structured Query Language (SQL). Developing Entity Relationships

Teaching, mentoring and coaching



Reviewing course modules, providing corrective feedback, Teaching technical units

Front-end Development



React; Angular; Vue.js; JavaScript; Typescript

Leadership and team management



Creativity; dependability; effective feedback; team-building; risk-taking;

Project management



Scheduling and time management; critical thinking; risk management; task planning and management.

UI/UX Design



Figma, Canva and adobe design tools