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Profile














I'm a Software Engineer based in Nairobi, Kenya, who enjoys solving problems through code. I design, develop and deploy backend services (APIs) with a focus on high availability, low latency and scalability. I also write client-facing code that consume web services. I am also conversant with React with Redux, HTML/CSS, SCSS and Webpack front-end development, React Native for mobile development, and Python for the back-end development.

I have interacted with PostgreSQL, MySQL and SQLite using ORMs such as Sequelize and SQLAlchemy. For API development, I am comfortable with both GraphQL or REST using either Django or Flask frameworks. I practice TDD and have worked with Pytest for unit testing.

My strength lies in delivering pixel perfect designs with a touch of user satisfaction, usability, ease of use, and pleasure when it comes to interaction between the user and the platform.

I design and develop software applications with a strong emphasis on **world-class** best practices in delivering **secure**, **well-tested** and **user-friendly** applications.

Skills

Technical Skills		Strengths	
JavaScript		Communication Skills	
CSS		Team Skills	
HTML		Fast-Learner	
React		Scrum Methodology	
Redux			
GraphQL and REST			
Python Flask			
Python Django			
Micro-Service Architecture			

Work experience

04/2019 – present

Software Engineer
Andela, Nairobi, Kenya

Key Responsibilities:

- Requirements gathering and analysis - effectively engage with the product owners and other stakeholders to clearly point out requirements.
- System design - planning and visualising intuitive models to ensure world-class levels in security, scalability and reliability of the software application.
- Active development - responsible for writing highly efficient code and debugging applications to meet system design specifications.

Work experience

Key Achievements:

- Offered my software engineering expertise in the development life-cycle from requirements analysis through development, deployment and maintenance.
- Came up with new team integration and cohesion activities that improved the development process of the product translating from quick feature delivery.
- Offered concise mentorship and on-boarding to new engineers who joined the product and ensured a smooth transition into the product.

Key Projects:-

- **Converge**

Stacks: Python/Flask, React js, React Native, GraphQL, Apollo GraphQL Client

Developed a meeting room management web app, "Converge". React was used to create the front end components while Python Flask and SQLAlchemy were used to create a backend that stores user data. "Converge" also consists of a mobile application (both iOS and Android) built using React-Native. The mobile app has been developed as conversational application that allows users to chat with a bot. The bot assists users to book meeting rooms, invite attendees, find their way to a meeting room, and also give feedback on the meeting room status.

- **Author's Haven**

Stacks: Python/Django, React js, PostgreSQL

Developed a full-stack web application, "Author's Haven", using React that allows users to publish stories online. User's reading and writing statistics are stored in a backend developed using Python Django, for a well-developed REST API, and Postgres. JWT has been used for user authentication.

- **iReporter**

Stacks: Python/Flask, Vanilla JS and PostgreSQL

Developed a web app, "iReporter", for individuals looking to report corruption instances and any incidences that require immediate attention within the society. Vanilla Javascript and the Fetch API was used to develop the front end. The backend, built using Python Flask, and Postgres, takes advantage of well-developed RESTful API, and user authentication with JWT.

01/2017 – 10/2018

Freelance Web Developer

Freelance, Nairobi, Kenya

As a freelance web developer, I worked on web applications for various clients.

Education

09/2014 – 07/2018

Mathematics and Computer Science

Taita Taveta University, Voi, Kenya

Bachelors of Science Mathematics and Computer Science (Second Class Upper).

01/2010 – 11/2013

KCSE (B+)

Wonderland Secondary School, Nairobi, Kenya