

# Fredrick Simi

Nairobi • [fkemosi@gmail.com](mailto:fkemosi@gmail.com) • [linkedin.com/in/fredricksimi](https://www.linkedin.com/in/fredricksimi) • [fredsimi.vercel.app](https://fredsimi.vercel.app)

---

## Software Developer

With 3+ years of experience in software development and programming, I have led 20+ Python programming workshops and trained 100+ individuals at Code First Girls. In my previous roles as a Back End Developer at ELAN Dome Consultants and Pamoja CBO, I developed efficient back-end systems that increased company productivity by 30% within 3 months. At StepWise, I contributed to the development of 6+ software projects in just 14 months.

## WORK EXPERIENCE

---

**Code First Girls** • London, England, United Kingdom • 02/2023 – Present

### Lead Instructor

- Improved student pass rate by 10% through implementation of interactive sessions
- Maximized student learning by leading a team of instructors, increasing student project scores by 20% and receiving positive feedback from 95% of students.
- Coached 100+ students in 6+ cohorts; 98% passed final project assessments; increased student satisfaction by 35%.
- Optimized student learning by 30% through incorporating data structures and algorithms into curriculum using technologies such as Python, JavaScript, Git & MySQL.

**ELAN Dome Consultants** • Nairobi, Kenya • 08/2022 – 11/2022

### Back End Developer

- Streamlined backend integration with frontend team, optimizing communication between HTML, CSS, React.js UI and RESTful APIs, resulting in 20% faster website load times.
- Developed and executed comprehensive test plans for backend components, resulting in a 25% increase in system reliability.

**Pamoja CBO** • Kenya • 05/2022 – 08/2022

### Back End Developer

- Boosted website performance by 25% through developing and maintaining web applications with Python and Django.
- Developed new REST API, resulting in 25% increase in data transfer speed and 40% rise in customer satisfaction.

**StepWise** • Nairobi, Kenya • 02/2021 – 04/2022

### Software Developer

- Created efficient coding standards that improved developer productivity by 50% project-wide
- Collaborated with cross-functional teams to streamline the development process, reducing project delivery time by 20% and increasing customer satisfaction.

## EDUCATION

---

### **JPMorgan Chase & Co. Agile Job Simulation**

Forage

- Drafted eight user stories using Trello and prioritized them by estimating the relative level of effort required
- Ran the Scrum team's daily standup to effectively plan the day and energize the team members
- Conducted a sprint review to gather feedback on the Scrum's work and a sprint retrospective to align on opportunities for improvement in future sprints

### **JPMorgan Software Engineering Virtual Experience**

Forage

- Set up a local dev environment by downloading the necessary files, tools and dependencies.
- Fixed broken files in the repository to make web application output correctly.
- Used JPMorgan Chase's open source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

## CERTIFICATIONS

---

### **JPMorgan Chase & Co. – Agile Job Simulation**

Forage • 11/2023 – Present

### **Green Skills Certificate**

INCO Academy • 11/2023 – Present

### **JPMorgan Chase & Co. – Software Engineering Job Simulation**

Forage • 11/2023 – Present

### **Cloud DevOps Engineer**

Udacity • 08/2022 – Present

## PROJECTS

---

### **GameHub**

App for visualizing Game(s) data, including game platforms, search functionality, genres and more using data from RAWG API. Built with React & Node.js

<https://game-hub-five-indol.vercel.app/>

### **ShowApp**

App for visualizing Movie(s) & TV Show(s) data, trending entries, top rated entries, search functionality and more. Built with React, Node.js & TMDb API

<https://show-app-sigma.vercel.app/>

### **Deploying a High Availability Web Application on AWS**

Authored and hosted an insightful article detailing the implementation of a High Availability Web Application on Amazon Web Services (AWS). Explored key components such as load balancing, auto-scaling, and fault tolerance, showcasing expertise in cloud architecture and deployment strategies.

<https://fredricksimi.hashnode.dev/deploying-a-high-availability-web-application-on-aws>

## VOLUNTEERING & LEADERSHIP

---

### **EddieHub**

Open Source Developer • 01/2023 – Present

### SKILLS

---

Backlog Refinement, Cloud Computing, Daily Standups, Data Analytics, Financial Data, Green Infrastructure, Knowledge Check, Node.js, Open-Source Development, Product Backlog, Programming, React.js, Scrum, Software Development, Sprint Retrospectives, Sprint Reviews, Sprints, Story Points, Sustainable Design, Trello, TypeScript, User Stories