

Kamau Samuel

SOFTWARE ENGINEER · FULL STACK DEVELOPER

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Summary

Software Engineer, Full Stack Developer, and Honors Computer Science student with 3+ years of experience. Engaged, creative third-year student eager to learn; Interested in creating interesting user-oriented solutions for real-world problems and learning new technologies.

Programming Languages: C++, Python, Java, Javascript, HTML, CSS, SQL

Technology: Git, Unix, Flask, AWS, ETL, Virtual Reality, React, Data Science

Work Experience

Savana

INTERN, SOFTWARE ENGINEER

Nairobi, Kenya

July 2022 - Current

- Contributed to front-end development tasks, including user interface designs and providing detailed documentation.
- Conducted software testing and quality assurance procedures as well as executing API testing protocols.
- Completed several projects including the NCC intranet solution as well as the Jenny Online clothing shop.

KCA University, Nairobi

UNDERGRADUATE RESEARCH ASSISTANT
2023

Nairobi, Kenya

May 2019 - December

- Implemented file readers/writers for JSON inputs/outputs to match system architecture properties
- Refactor large components of code to adapt to new libraries and class structures
- Implemented a continuous status flag printing system to expedite debugging, testing, and readability

ASSISTANT INSTRUCTOR

June 2019 - July 2022

- Mentor and coach secondary school students in introductory Python and Web development
- Construct programming demonstrations to showcase basic console output, class structure, and functions
- 100+ deployable first-time programmer student projects

Projects

BAZU | OCT. 2023

- A Large Language Model powered system that converts simple prompts into fully developed systems.
- Develops web applications and mobile applications with great ease and of good quality.

AUTO DATA | APR. 2023

- A UI dashboard for simplifying the Data Science process.
- Developed in Streamlit-ui and Python for no code data ETL and Modelling. Tested on several Kaggle datasets.

INTERACTIVE SCREENCASTS | JUNE. 2022

- A platform that supports interactive screencasts for faster and efficient learning.
- Reduces time to learn new programming languages by 50%.

ALGORITHMIC TRADING | JAN. 2022

- An algorithmic trading system that utilizes sentiment analysis from twitter and data sources to make predictions.
- Provides an annual return of 120% net profits.

Academic Involvement

KCAU-TECH CLUB

VICE PRESIDENT

Nairobi, Kenya

May. 2022 - PRESENT

- Reformed the society focusing on software engineering and building networks on and off campus by strengthening student and faculty bonds
- Optimized management to optimize drastic growth in member involvement following our annual 100+ attendee hackathon
- Mentored and trained the next generation of software engineering leaders in professional, academic, and technical development

Education

KCA University

B.S. IN SOFTWARE DEVELOPMENT
2023

Nairobi, Kenya

May. 2019 - Dec

- Cumulative GPA: 3.82
- Artificial Intelligence CS50