Kamau **Samuel**

SOFTWARE ENGINEER · FULL STACK DEVELOPER

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Summary

Software Engineer, Full Stack Developer, and Honors Software Development student with 3+ years of experience. Engaged, creative and 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

How I Can Help

Software Design

ARCHITECTURE DESIGN

- Requirements gathering
- Quality attributes design i.e., building a utility tree
- Architecture design and Documentation i.e., views and beyond
- Architecture Evaluation
- Architecture Reconstruction

OBJECT ORIENTED ANALYSIS AND DESIGN

- Elicitation of use cases from requirement documents
- Modelling classes and components
- Visualizing using UML diagrams

DESIGN DOCUMENTATION

- Facilitating a clear and user-friendly software design document for stakeholder analysis
- Maintaining already existing software design documentations

Software Development

- Solving problems in the software domain using various programming languages
- Testing software for functionality and fixing existing bugs
- Analyzing and Improving software for quality assurance.
- Documenting existing software for maintenance purposes

Projects

GITHUB ASSISTANT | FEB 2024
- A RAG implementation using Prompt flow and azure for interacting with GitHub repositories.
- Enables users to chat with documentation, interrogate source code and address issues more quickly and efficiently.

INTERACTIVE SCREENCASTS | JUNE. 2022
- A platform that supports interactive screencasts for faster and more efficiency in learning how to code.
- Reduces time to learn new programming languages by 50%. No more tutorial hell.

Education

KCA University   *Nairobi, Kenya*

B.S. IN SOFTWARE DEVELOPMENT   *May. 2019 –   Dec 2023*

- Cumulative GPA: 3.82
- Artificial Intelligence CS50