STEPHEN KARIAKI

Software Developer | Web Developer | Software Engineer

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Email • LinkedIn • GitHub • Portfolio

SUMMARY

Software Developer with over 2 years of experience, proficient in Python, JavaScript, SQL, and Bash. Skilled in data structures, algorithms, and Git. Thrives in high-pressure environments and is committed to continuous learning and innovation. Ready to leverage technical skills and embrace new challenges in the dynamic field of software development.

EDUCATION

Holberton School   **January 2023 - present**
Software Engineering

Relevant Coursework:

Data Structures and Algorithms, Software Design and Development, APIs, low level programming with C, System Engineering and DevOps, Software Development live cycle, High Level Programming (Python, JavaScript), Database Design, Technical Writing and Networking.

EXPERIENCE

ALX SE   **January 2023 - present**
Software Engineering Intern

- **Database Design and Optimization:** Delved deep into crafting efficient database architectures, ensuring peak performance for diverse applications.
- **C Programming Proficiency:** Commanded the intricacies of C programming, empowering me to engineer robust and reliable software solutions.
- **Python Expertise with Flask:** Leveraged Python and the Flask framework to craft dynamic web applications, including a meticulous Airbnb clone and musicIO a full-stack music platform
- **JavaScript ES6:** mastered JavaScript HTML5 and CSS3 to build dynamic web pages, also used JavaScript in building musicIO
- **DevOps Mastery:** Embraced DevOps methodologies to streamline development pipelines, fostering seamless collaboration and accelerated deployment cycles
- **Data Structures and Algorithm Prowess:** Developed a keen understanding of data structures and algorithms, enabling elegant solutions to complex problems.

SKILLS

MySQL • Python • Flask • JavaScript • React • Mongodb • TypeScript

Node.js • Express.js • Docker • ChatGPT • Golang • C/C++ • Problem Solving

PROGRAMMING PROJECTS

MusicIO | Python, Flask, JavaScript

Github Demo

- Led a three-person team in developing a music application that enabled features such as playlist sharing, song uploads, and user interactions including likes and favorites.
- Developed robust APIs to ensure seamless data integration and interaction between the frontend and backend systems.

Facebook Clone | HTML5 | CSS3 | JavaScript

Github Demo

- Developed a static page social media clone, providing a simplified yet functional interface for user interaction and content sharing.
- Enhanced user customization by enabling adjustable font sizes and a toggle feature for switching between dark and light themes.

Simple Shell | C

Github

- Developed a C program designed to interface directly with the Linux operating system, enhancing system interaction and control.
- Collaborated with a peer from Kenya on a project that included rigorous error checking and the implementation of core functionalities such as ls, cd, and mkdir.

SKILLS & INTERESTS

Languages: English (Native)

Additional Interests: Mathematic, Physics, Chess, Web3