

JAMES KIARIE

Software Engineer
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PROFESSIONAL SUMMARY

Recent computer science graduate with a strong fascination for delving deep into low-level systems, embedded tech, and IoT. Excited to put my skills in Rust, C, C++, and RISC-V to work on real-world projects in these exciting areas. I've explored the power of WebAssembly (Wasm) as a deployment option in embedded and bare-metal contexts, as demonstrated by my WASI-compliant kernel for RISC-V. I'm all about pushing the boundaries in software and systems programming.

EMPLOYMENT HISTORY

Web Developer, IMS GURU Ltd., Nairobi, Kenya

06/2022 - 09/2022

Worked at IMS as a web developer.

- Collaborated with a mentor to create three production-ready websites using HTML, CSS, and JavaScript.
- Enhanced SEO strategies to improve search engine rankings.
- Developed a comprehensive documentation website for a core product.
- Contributed to client onboarding processes.

Bank Teller, Equity Bank, Nakuru, Kenya

01/2019 - 08/2019

Participated in the Equity Leadership Program for seven months after completing KCSE.

Gained valuable communication skills and financial sector insights.

EDUCATION

BSc. in Computer Science, University of Nairobi, Nairobi

09/2019

Acquired a solid core Computer Science background that was mostly project-based.

SKILLS

Low-Level Systems Development: Proficient in developing firmware and software for embedded systems. Doable in C/C++/Rust, with Rust being the primary choice.

RISC-V Development: Experienced in working with RISC-V architecture, including porting and optimizing code for RISC-V chips.

Salesmanship: Yea... salesmanship

WebAssembly (Wasm) Integration: Knowledgeable in using WebAssembly for off-browser applications, IoT, and embedded systems.

Technical Documentation: Proficient in creating detailed technical and non-technical documentation.

LINKS

Portfolio Website : kiarie404.github.io

Github : @kiarie404

REFERENCES

Harsha Mandapati from IMS GURU Ltd, Director and Founder