



STEPHEN KAIRU

EMBEDDED SOFTWARE ENGINEER

TechStack:

Languages & Frameworks: C, C++, Python
Protocols: SPI, I2C, UART, CAN

RTOS & OS: FreeRTOS, Zephyr, Embedded Linux

Tools: Git, Logic Analyzer, Oscilloscope, PCB Design Tools

Areas of Expertise: Firmware Development, Embedded Linux, Hardware Abstraction, Real-Time Systems, Device Debugging

Short Resume:

Position: Embedded Software Engineer with over 6 years of experience developing efficient, real-time firmware and embedded systems using C/C++ across STM32, AVR, and PIC microcontrollers.

Skills: Strong in RTOS (Zephyr, FreeRTOS), Embedded Linux, PCB design, low-level communication protocols (SPI, I2C, UART), and hardware debugging.

Experience: At Konza Silicon, Stephen improved I/O latency by 90% and reduced system errors by 95%. At Kamsware, he optimized LoRa telemetry firmware for wildlife monitoring and reduced power usage by 30%.

Motivation: Stephen is motivated to relocate to Germany to advance his career through exposure to world-class engineering practices and global product development.

Starting in Germany:
After 6 - 8 Weeks

BlueCard eligible:
Yes

Starting Salary: €50,000
University degree:
MSc Computer Science
BSc Mechatronic Engineering

English: Fluent (C1)
German: Basic (A2)

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