

Job Title: *Software and Security Architect - Embedded Systems (Remote)*

Location: Remote within the United States

Job Type: Full-time

Job Summary: We're seeking an exceptional Software and Security Architect to join our team, with expertise in Linux kernel development, secure coding practices, and proficiency in C, C++, and Python. A strong foundation in embedded systems (including FPGA/RISC-V), vulnerability analysis and mitigation techniques are also essential. As a key member of our engineering team, you will design, develop, and test system and software components that meet the highest standards of quality, reliability, and security in the cybersecurity space.

Responsibilities:

- Design, develop, test, and maintain high-quality Linux kernel and distribution level software components using C, C++, and Python programming languages.
- Carry out vulnerability analysis and develop mitigation strategies
- Develop software stack for embedded platforms including FPGA/RISC-V softcore platforms
- Develop and optimize build systems and create deployment images for embedded and cloud-based environments.
- Work with cross-functional teams to define project requirements, create designs and solutions that drive business value.
- Troubleshoot complex technical issues and resolve them efficiently while maintaining the highest standards of quality and reliability.

Requirements:

- An undergraduate or graduate degree in Computer Science, Information Systems, Electrical & Computer Engineering, or a relevant field (equivalent experience will be considered).
- Experience in software development, with a focus on embedded systems (including FPGA/RISC-V), Linux kernel, and build system expertise.
- Strong understanding of Linux kernel development and internals with expertise in vulnerability analysis and mitigations.
- Proficiency in C, C++, and Python programming languages.
- Excellent problem-solving skills, attention to detail, and a passion for writing high-quality code.

Nice to Have:

- Familiarity with containerization technologies like Docker or Podman.
- Understanding of virtualization technologies such as KVM, Xen, or VMware.
- Experience with Agile development methodologies (Scrum, Kanban).
- Knowledge of cybersecurity fundamentals and industry-specific cybersecurity regulations

What We Offer:

- Competitive salary and stock options allowing you to participate in the company's growth and success
- Opportunities for professional growth and skill development in a rapidly evolving tech space.
- Collaborative work environment with a team of experts in their field (remote collaboration tools will be used).
- Flexible working hours and remote work options within the United States.
- Access to cutting-edge technology and resources.

Note:

- We're an equal opportunity employer and welcome applicants from diverse backgrounds. To be eligible for this role, candidates must be either U.S. citizens or permanent residents. We'll be conducting video interviews as part of our hiring process. If you're interested in the position, please submit your application to careers@nirubi.io with a brief introduction, your citizenship/work-visa status, CV/resume, and relevant experience summary.