

[Yaskawa – Solectria Solar](#), a wholly-owned subsidiary of Yaskawa America, Inc., is the 2nd largest commercial inverter manufacturer in the U.S. Solectria’s products include 3.8 to 750 kW inverters, string combiners and web-based monitoring for all size solar systems. We offer a friendly work environment, great benefits, the ability to work with cutting edge technology and the chance to work with an innovative and dynamic team. We are conveniently located off I-495 in the Riverwalk complex. To apply for this or any other position, e-mail your resume to hr@solectria.com.

POSITION DESCRIPTION

TITLE: **Sr. Embedded Linux Software Engineer**
SUPERVISOR: **Software Development Manager - Engineering**
CLASSIFICATION: **Exempt, full-time**
LOCATION: **Lawrence, MA**
REFERENCE CODE: **ENG-2017-205**

We are looking for a highly versatile technical expert who will provide creative solutions to demanding problems.

You must be a top software developer with an amazing track record of delivering quality software. You must also excel in communication and technical leadership. This is a huge opportunity to get in with a fast growing renewable energy business and help shape the technology, product and the business. A successful candidate will bring deep technical, software expertise and ability to work within a fast moving environment delivering outstanding results that have broad business impacts.

DUTIES:

- Design and implement applications for Linux based embedded communication and data acquisition systems used in the solar renewable energy industry.
- Linux Kernel and driver development.
- Participate in the development of board support packages system optimization and driver level software for embedded Linux systems.
- Analyze and enhance efficiency, stability and scalability of system resources.
- Review code and code design.
- Integrate and validate new product designs.
- Provide post production support.
- Interface with hardware design and development.
- Assess third party and open source software.

REQUIREMENTS:

Skills/Knowledge/Abilities:

- Proven working experience in software engineering.
- Linux application development experience is essential.
- Experience Linux Kernel programming and debugging.
- Experience in hands-on development and troubleshooting on embedded targets.
- Solid programming experience in C/C++.
- Familiarity with software configuration management tools, defect tracking tools, and peer review.
- Good documentation and writing skills.
- Ability to understand complex designs and failure modes with software/hardware interactions.
- Results oriented with high level of initiative and a proactive nature.
- Good communication skills and fluency in English is essential.
- Good organizational and planning skills to manage product development in an agile Scrum environment.

Desired Skills:

- Knowledge of Embedded Linux User Interfaces development is a plus.
- Understanding or knowledge of web based front end development is a plus.
- Familiarity with common Agile and Scrum practices.
- Understanding of hardware design and hardware troubleshooting capability is a plus.
- Experience with TCP/IP communication protocols is a plus.

Education/Experience:

- BSEE, BSCS, BSCE with 8 or more years of relevant experience. OR
- MSEE, MSCS, MSCE with 6 or more relevant experience.