Senior Software Engineer

OPPORTUNITY

Ainira Industries is currently seeking applicants for Senior Software Engineers to join our growing teams in Bucharest, Romania and Melbourne, Australia.

JOB DESCRIPTION

Senior Software Engineers will be responsible for architecting, implementing, and maintaining the core drivers that interface with our sensor firmware, to parse and optimise the bi-directional data streams between our sensor and DAQ systems.

The senior software engineers will work closely with key stakeholders from teams across EV, AI, Space and Defence, and Energy including firmware development, machine learning, visualisation, and tooling, and data infrastructure.

Senior software engineers will be responsible for maintaining software of the highest quality and performance, suitable for release to internal and external customers.

RESPONSIBILITIES

- Working in a highly cross-disciplinary environment that interfaces regularly with various teams

- Interfacing with testing team to help test and fix identified issues

- Writing high performance code and building robust architectures as part of a SCRUM environment

- Write detailed work instructions including assembly, test, material inspection and validation procedures

- Participating in team sprints and planning product features based upon identified requirements

- Interfacing with networking communication protocols

- Providing technical leadership to software engineers

- Reviewing code developed by other software engineers

- High standards for code quality, maintainability, and performance

SKILLS and ABILITIES

- BSc degree in Software Engineering, Computer Science, Electrical Engineering, or related

- MSc in Computer Science or Engineering preferred

- 7+ years' of experience with software development in production

- 5+ years' of industry experience focused in either large-scale commercial, safety-critical, or mission-critical software.

- Experience in automotive systems, sensor processing, robotics, computer vision, or simulation are a plus.

- Deep knowledge and proficiency in C, C++

- Other languages such as C#, Python, and CUDA seen favourably

- Excellent knowledge of low-level coding techniques, IP protocols, interfaces and hardware subsystems

- Fundamental understanding of data structures, design patterns, and architecting software systems

- Experience in networking communication, multithreading, and distributed systems

- Strong communication skills and technical writing skills

- Technical leadership experience

- Experience with high speed FPGA/embedded systems development

- Ability to collaborate in a team environment, and works well under pressure in a dynamic fast-paced environment.

- Must be able to accurately communicate ideas, always operate on a professional level, and provide solutions to challenging issues.

COMPENSATION

The Company offers a competitive compensation and benefits package, including salary and company stock.

APPLY

Click "Apply" below or use form in the Contact section – quote the reference number HR-SFT-0051. Only the shortlisted candidates will be contacted. Thank you for your interest.