



Software Engineer

Location: San Diego CA, United States

Company Description

RAM Photonics has its headquarters in San Diego CA, with facilities in San Diego CA and Rochester NY. The company portfolio includes specialty optical and optoelectronic systems for defense, commercial, and industrial applications, including advanced signal processing, high-power lasers, and instrumentation systems. RAM Photonics seeks capable, creative, and driven contributors skilled at communicating and performing within a technical team composed of leading photonics, electronics, and software engineers.

Job Description

The Software Engineer will be responsible for development and commercialization of software and or firmware for advanced microwave/photonics systems. The candidate is expected to contribute to the overall readiness and reliability of the overall system based upon team needs. This work includes working with Linux device drivers to communicate with FPGA devices, collaborating with scientist and engineers to build visualization tools, implementing signal processing algorithms, and developing automated test suites.

Required Experience:

- C/C++ in a Linux based environment.
- Ability to work independently within a dynamic group.
- Collaborative and team-focused attitude.

Desired Experience

- CI/CD pipelines.
- Source control, preferably git.
- User interfaces using QT/QML on Linux systems.
- MATLAB, Python, or C++ with signal processing.
- Linux device driver development (PCIe, SPI, I2C).
- GPU programming, specifically CUDA coding.
- Complex object-oriented programs.
- Guaranteed data throughput applications.
- Interface with FPGA hardware platform.
- Algorithm Development.
- Flexible GUI and UX/UI Design.
- IVI VISA equipment communication.
- Start-up Environment.

Qualified applicants should submit resume, with cover letter, using the link below:

<http://completepayroll.evolutionadvancedhr.com/JobApplication.aspx?jobpostingkey=4878afc1-f925-4538-b8a4-55734dadf802>