

Karsa Ltd is a startup company supported by the University of Helsinki, international industry partners and leading venture capital investors. Based on proprietary technology originally developed for ultra-sensitive atmospheric research measurements, we have developed a prototype chemical explosives detector system. We have demonstrated the touch-less detection of minute, nanogram amounts of explosives. A prototype has been successfully tested in an operational environment at the Helsinki International Airport. Karsa is now focusing on commercialising this technology for several security applications, but specifically around civil aviation.

Senior Software Engineer

Key Duties & Responsibilities:

- Contribute to all phases of software development including design, implementation, testing, integration, maintenance and release management for our company's products.
- Interact with our Software Architect to integrate algorithms & mathematical functions (Matlab and C/C++) for the identification and quantification of substances using advanced mass spectrometry

Skill Requirements:

- Proficient in developing with C/C++ in an embedded Windows environment.
- Good knowledge of statistics and data analysis
- BS or MS in Computer Science, Engineering or Mathematics or equivalent experience
- 5 years of industry experience.

Optional Skills:

- Familiar with analytical instruments/devices such as gas/liquid chromatography, or mass spectrometry.
- Experience in analytical instrumentation firmware development
- Project or software management experience

Karsa Oy offers a dynamic startup environment with opportunities for growth. Don't miss the opportunity to join a rising tech start-up that is innovating explosives detection on a global scale. We will fill the position as soon as a qualified candidate is identified.

Please send your resume to careers@karsa.fi or contact our CEO HJ Jost at +358 45 699 5005