

Senior Software Engineer

Kaon

Full-time Position

Guildford, Surrey

Salary: £35 – £55k depending on experience plus benefits and relocation

Kaon is a small, dynamic company located in Guildford, Surrey. We specialise in cutting edge bespoke sonar processing systems including high data rate networks, high rate data recorders, DSP and image processing systems.

Our size makes us dynamic and flexible and we maintain an open attitude to embracing emerging technologies. We take pride in our products and Kaon's success is a result of the skills and effort of our engineering team which is made up of software, systems and signal processing engineers.

We are currently seeking a Senior Software Engineer to join our engineering team, if successful you will be working as part of a team utilising your skills in system design, software development and testing. At Kaon, engineers have the opportunity to operate across the whole product and project lifecycle; an engineer will be involved in bid work writing winning proposals, demonstrate their expertise in consultancy reports, help design, specify and implement world leading electronic systems and be found testing deployed systems in the UK and abroad. We need engineers that are up to this challenge.

Please note that due to the nature of Kaon's work this post is only open to UK Nationals who are willing to satisfy Government / MoD security vetting procedures.

Essential skills:

- Minimum of 5 years C/C++ - Experience in developing C/C++ software applications;
- Linux – Knowledge and familiarity with Linux software development and deployment;
- Experience of writing DSP or image processing algorithms in C/C++;
- Experience in the implementation of algorithms using NVidia CUDA for GPU operation;
- Understanding of software development and design processes, documentation and testing;
- Use of thread and parallel processing techniques;

Additionally it would be advantageous to possess any of the following skills

- Experience of developing / modifying Linux kernel device drivers;
- Ability to prototype and develop DSP algorithms in high level languages such as Matlab or Python;
- Java – Experience of the language and GUI frameworks;
- GUI Development – Experience in developing intuitive data visualisation displays and understanding the customer's requirements;
- Real-Time Systems - Development of high data-rate and/or mathematically intensive real-time applications;
- Ability to apply signal processing techniques to solve a wide variety of problems;
- Networking - Understanding of IP protocols and their mapping to software applications and/or Ethernet switch configurations for network optimisation;
- Low Level Interfacing – Understanding of hardware level aspects associated with controlling and writing/using Linux driver interfaces;

Required Personal Skills:

- Possess a good command of the English language, both written and oral;
- Have an adaptable and flexible attitude and take pride in your work;
- Good team-working skills;
- Possess a willingness to learn;
- Maintain a methodical and objective approach to testing;

Education and Qualifications

- A good University degree in a relevant computer science, engineering or scientific discipline.

Please send your CV and covering letter to jobs@kaon.co.uk, or Kaon Ltd., 5 Wey Court, Mary Road, Guildford, Surrey, GU1 4QU. 01483 543540