

Job Title: Senior Software Engineer
Tasked by: Software Engineering Manager
Reports to: CEO

Blue Bear are seeking a senior software engineer to support product development and R&D activities within a leading autonomy and unmanned systems company. Blue Bear continuously innovates within core areas such as UAV autopilots, mission systems, ground control stations, and all supporting systems and infrastructure.

You are expected to have competence in software engineering or a technical field and at least 3 years' of software development experience. You will be involved in all development areas, and demonstrate a good track history / proven track record in both problem solving and quality software development.

You are comfortable working within a team and in a multidisciplinary environment and have good communication skills. You are also to demonstrate systems engineering experience, technical competency in high level languages, a can-do attitude and a genuine passion for innovative technology.

Scope:

- Primarily, your role will be to design, develop and test software systems to support both experimental activities and product development. Specifically this will include the harmonisation of real time avionics databases used both on-board and off-board aircraft.
- You will be responsible for delivery, reporting and presentation of technical work and writing and submitting any necessary documentation.
- General tasks related to business delivery (e.g. contributions to experimental procedures).

The above is not an exhaustive list of duties. You will be expected to perform different tasks as necessitated by your evolving role within the company and the overall business objectives of the company. The successful candidate will be required to be security cleared to SC.

Essential Skills:

- Full lifecycle development
- Java, GUI SQL Databases
- Database design, implementation and maintenance
- Linux and Windows development
- Multi-threading experience

Desirable Skills:

- PostgreSQL
- Geographic Information Systems (GIS)
- Hibernate
- GUI

Staff-in-Confidence

- Service orientated architectures
- Agile methods (Scrum or similar)

To Apply:

Answer the 6 questions below and send your answers together with an up-to-date CV and details of your current salary and benefits package to olwen.rees@bbsr.co.uk. Strictly no agencies, thank you.

1. Provide details of your C++ experience over the last 5 years, providing details of libraries and standards used. If you are using the later standards of C++ please provide details as to what features of the newer standards you have found useful.
2. Provide details of your Java experience over the last 5 years, providing details of libraries and standards used.
3. Provide details of your GUI development experience, what you found was important from a UX point of view, and from an architectural point of view.
4. Provide details of multi-threading experience, the use of concurrency and why and when you used multi-threading and multi-process techniques in projects. Please provide details of the libraries used.
5. Please provide details of your individual day to day role in your current or most recent employment. This should include details of what you contributed within teams, rather than what the team achieved.
6. What aspects of the software development job role at Bluebear interest you?

Process:

Phone interview, Testing, Face to Face Interview, Appointment.

Company Description

Blue Bear is a pioneer in Autonomy and Unmanned Systems. We are renowned for innovation in the delivery of technical solutions in this domain, with strong collaboration with Aerospace and Defence Primes, SMEs and Academia. As an agile SME, rapid technology integration and maturation of 'best of breed' UK technology is a mantra within the company. Over the last year, rapid read across all of our Unmanned Air Systems solutions to the Maritime and Energy domains with our partners are a testament to this key principle.