

About the job

Software Engineer - Shape the Future of Safety-Critical AI

About QA Systems For nearly 30 years, QA Systems has been the trusted partner to over 350 blue-chip clients worldwide, revolutionizing how embedded software is tested and verified. Our cutting-edge tools automate unit testing, code coverage, integration testing, and static analysis - all certified to the highest safety standards (ISO 26262, IEC 61508) by SGS TÜV.

Now, we're breaking new ground at the intersection of safety-critical engineering and artificial intelligence with our innovative AI Controller product. Join us as we bridge these two worlds and define the future of safe, reliable AI systems.

The Opportunity Based in our modern office in the heart of beautiful Bath, you'll be part of an agile, close-knit development team working on products that literally save lives. This hybrid role offers the perfect balance - collaborate in-person 3 days a week (Tuesday-Thursday) while enjoying the flexibility to work from home when needed.

What You'll Do

- Develop and enhance our flagship products: Cantata (industry-leading C/C++ testing tool) and AI Controller (pioneering AI safety solution)
- Work across our diverse tech stack: C, C++, Java, TypeScript, Vue, Vuetify
- Collaborate directly with our Product Manager to shape product direction
- Partner with our international development team in Vietnam
- Push your skills in new directions as you tackle varied technical challenges

What Makes This Role Special

- **Impact:** Your code will ensure the safety of millions through automotive, medical, and aerospace applications
- **Freedom:** Choose the work packages that interest you;
- **Innovation:** Be at the forefront of exciting developments bridging safety-critical systems with AI
- **Growth:** Small team = big opportunities to expand your skills and influence
- **Culture:** Flexible working hours, understanding management, and a genuinely collaborative environment

- **Location:** Work in Bath's vibrant city centre with easy access to shops, restaurants, and transport

We're Looking For Someone With

- Commercial software development experience
- Strong skills in at least one of: C, C++
- Problem-solving mindset with attention to detail
- Enthusiasm for learning new technologies and approaches
- Team player attitude with good communication skills

Bonus Points For

- Knowledge of multiple languages from our tech stack
- C++ parsing techniques
- Eclipse plugin development experience

What We Offer

- Competitive salary
- 25 days holiday plus bank holidays
- Regular company-funded social activities - from team lunches to company trips abroad, we believe in celebrating our successes together
- Flexible working hours to fit your life
- Private medical insurance
- Company pension contributions
- Modern equipment and tools of your choice
- The chance to work on products that keep people safe
- A supportive team that values work-life balance and understands life happens
- Beautiful central Bath location with excellent transport links