

Anna-Jayne Metcalfe

Systems/Software Engineer

Highly skilled software development professional with over two decades of experience in systems and software design, development and integration.

Background in designing and supporting complex C++ systems for developer tools, broadcast, security, marine and defence applications.

Work History

Aug 2004 - Current **Startup Founder, Product Manager and Developer**
Riverblade Ltd, Bournemouth, Dorset

Founded Riverblade Ltd in 2004 to develop and market Visual Lint - an interactive code analysis environment designed to integrate static analysis tools within development environments. The software has now been in use by organisations and freelance developers worldwide for over 15 years.

My role is split between admin/management, further developing the product and directly supporting customers.

Technologies: C++, COM, PHP, SQL, Java, JNI and Python.

Jul 2007 - Feb 2008 **Contract Software Developer**
Ultra-SML Technologies, Burridge, Hampshire

Development of a security surveillance and chemical detection system for a major port.

Technologies: C++ and C++/CLI

May 2005 - May 2007 **Contract Software Developer**
Tandberg Television Ltd., Southampton, Hampshire

Development and support of the nCompass Control digital broadcast management system.

Technologies: C++ and C#

Jun 1998 - Aug 2004 **Senior Software Developer**
Sonardyne International Ltd, Blackbushe, Hampshire

Development of the Pharos/Fusion family of subsea acoustic navigation products.

Primarily responsible for development of the user interface and tools for precisely calibrating transponder array positions and depths in real time.

Technology: C++

Contact Details

Location
Bournemouth, United Kingdom

E-mail
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LinkedIn
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Website
<https://about.me/annajayne>

Primary Skills

Software Development

Systems Engineering

Troubleshooting

Refactoring

Code analysis

IDE integration

C++

PHP

SQL

COM

Scripting

Oct 1989 – Jun 1998 **Development/Systems Engineer**
Racal Instruments Ltd, Burnham, Berkshire

System architect and team leader for the development of C++ virtual instrument and virtual super instrument software for an automatic test system designed to perform functional testing of helicopter avionics.

Also closely involved with many other projects, including ongoing development of existing systems and as a technical authority on bids for contracts for both commercial and military systems.

Technologies: C++, C and domain specific languages.

Education

Oct 1985 – Jul 1989 **Bachelor of Engineering (Hons): Electronic and Electrical Engineering**
University of Surrey – Guildford

- Interests**
- Aerial, yin and ashtanga yoga
 - Running
 - Photography
 - Music
 - Science & Technology
 - Reading
 - Writing