JOHN WALLEY

An enthusiastic and flexible individual with a proven background in technical computing. Looking for opportunities which sit at the intersection of technology, business and design.

I take satisfaction from the interpretation and visualization of data. I'm also on mission to automate anything repetitive, error-prone or time-consuming.

CONTACT

+44 7729263820

john@walley.org.uk

www.walley.org.uk

SKILLS

SOFTWARE ENGINEERING

C#, Javascript, MATLAB, CUDA, d3.js, AngularJS, Android, build & deployment tools

COMMUNICATION

Proven ability to adapt presentations to the technical level of the audience and comfortable presenting to large groups

PRODUCT MANAGEMENT

Analytics, prioritization, specifications, user interviews

TECHNICAL SALES

Familiar with the sales process, practiced in uncovering customers' underlying pain points, and experienced in developing relationships as part of responsive customer service

EXPERIENCE

TRAINEE PRODUCT MANAGER
Redgate / 2015 - Present

Improve awareness and increase usage of a newly acquired database deployment tool. Activities included:

- Working with product marketing manager to coordinate content marketing
- Collaborating with user experience specialists
- Putting in place product analytics to track progress

SOFTWARE ENGINEER
Redgate / 2014 - 2015

Helping to solve SQL Server database deployment for users of the most popular release management tools. Primarily working in C# to develop a set of PowerShell cmdlets designed to be integrated with software such as TeamCity, Jenkins etc.

DEVELOPER
Sungard / 2012 - 2014

Contributing to the scalable and extensible framework which underlies a high-performance risk analytics service. Projects included a tracing just-in-time compiler enabling clients to run C# financial models on GPUs.

FREELANCE DEVELOPER
Various / 2011 - 2012

Designing and implementing algorithms for human motion capture using low-cost inertial sensors, e.g. accelerometers and gyroscopes. Developing a bespoke trading tool for an independent trader.

EDUCATION

MSC IN MATHEMATICAL MODELLING AND SCIENTIFIC COMPUTING

University of Oxford
2002 – 2003

Modules included mathematical modelling, numerical linear algebra, numerical optimisation and distributed computing for computational finance. Dissertation explored the numerical solution of magnetic fluid flow.

BA IN MATHEMATICS

University of Cambridge
1999 – 2002

Emphasis on applied mathematics, statistics and theoretical physics.

INTERESTS

Rowing, coxing and coaching at my local rowing club.

EXPERIENCE

HIGH PERFORMANCE COMPUTING DEVELOPER

Fidelity / 2010 - 2011

As a core member of the newly founded applied research and technology team I was instrumental in designing, implementing and introducing quant-based methods to the wider organization.

I promoted components of agile development to the team. Particularly moving to a more iterative approach with more frequent stakeholder feedback.

APPLICATION ENGINEER

MathWorks / 2008 - 2010

Working directly with customers to understand their technical and business challenges. Acting as the main point of contact for customers evaluating and using MathWorks parallel computing tools in the UK. Key responsibilities included:

- Analyzing users' problems to determine the best solution
- Developing demos and proofs of concept
- Preparing and delivering presentations to customers and prospects
- Providing feedback to the commercial and R&D organizations

RESEARCH SCIENTIST

QinetiQ / 2004 - 2008

Contributed to a diverse range of projects including:

- Research into assessing and improving warship stealth
- Sensor fusion - combining radar and infra-red sensor output to improve situational awareness
- Development of object tracking algorithms. Including a LIDAR simulator (C++), Markov Chain Monte Carlo tracking application (MATLAB) which I also modified to run on a cluster, and a Google Earth based visualization tool (Python)

RESEARCH ASSISTANT

Newcastle University / Summer 1998 & 1999

Data analysis and modelling of a mass spectrometry experiment in Fortran. Joint author of a paper; 'Hyperfine-resolved spectrum of the molecular dication DCL2+'