

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.

Relentless in his mission make the understanding and visualization of data a key part of his work.

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

Improved awareness and increased usage of a newly acquired database deployment tool.

- Developed in-product analytics functionality
- Coordinated content marketing
- Set development priorities through closely working with UX specialists

SOFTWARE ENGINEER

Redgate / 2014 - 2015

Helped to solve SQL Server database deployment for users of the most popular release management tools. Working in C# I developed PowerShell cmdlets which users incorporated into their CI/release processes.

DEVELOPER

Sungard / 2012 - 2014

Contributed to a scalable and extensible framework used by a high-performance risk analytics service. Technical highlight was developing a tracing just-in-time compiler enabling clients to run C# financial models on GPUs.

FREELANCE DEVELOPER

Various / 2011 - 2012

- Designed and implemented algorithms for human motion capture using low-cost inertial sensors, e.g. accelerometers and gyroscopes
- Developed a bespoke financial 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

A core member of the newly founded applied 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

Worked directly with customers to understand their technical and business challenges. Acted as the main point of contact for customers evaluating and using MathWorks parallel computing tools in the UK.

- Analyzed users' problems to determine the best solution
- Developed demos and proofs of concept
- Prepared and delivered presentations to customers and prospects
- Provided feedback to the commercial and R&D organizations

RESEARCH SCIENTIST
QinetiQ / 2004 - 2008

Contributed to a diverse range of projects:

- 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⁺'