

# 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

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[www.walley.org.uk](http://www.walley.org.uk)

## EXPERTISE

### 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

User Interviews, analytics,  
backlog management

### 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

### PRODUCT MANAGER

*Redgate / 2015 - Present*

Helping to grow ReadyRoll - a better way to develop databases in Visual Studio.

### SOFTWARE ENGINEER

*Redgate / 2014 - 2015*

Solving production database deployments for users of the most popular release management tools.

### 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

*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.

## 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.

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.

RESEARCH SCIENTIST  
*QinetiQ / 2004 - 2008*

Assessing and improving warship stealth, sensor fusion, and  
cutting-edge tracking algorithms.

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<sup>+</sup>'

## INTERESTS

Rowing, coxing and coaching at my local rowing club.