

# Rob Calcroft

WEB ENGINEER

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## Education

### University of Portsmouth

Portsmouth

BSC COMPUTER SCIENCE (HONS) WITH FIRST CLASS HONOURS

September 2012 - June 2016

- Designed, developed and documented wish-list creator with public OAuth2 API built using Node.js & PostgreSQL for final year dissertation. It was awarded a first. Report at [calcroft.co/dissertation](http://calcroft.co/dissertation) & source code at [github.com/robcalcroft/wishlist-api](https://github.com/robcalcroft/wishlist-api)
- Dissertation was awarded the Clever Touch prize for Most Original Business System
- Participated in various hack days during the course. Projects included an animatronic Sorting Hat from Harry Potter, a website controlled Arduino and a bot for the Telegram messaging platform

### The Sixth Form College Farnborough

Farnborough

3 A2 LEVELS INCLUDING COMPUTING & MATHEMATICS, 2 AS LEVELS

September 2010 - June 2012

## Experience

### Opsview

Reading

FRONT-END DEVELOPER

July 2016 - Present

- Developing scalable front-end software for a monitoring platform.
- Primarily using ExtJS coupled with vanilla JS & CSS in an agile environment.
- Performed code reviews for front-end team using feature branches to manage new functionality
- Acting as line manager and team leader for the front-end web team, supporting them and their careers through advice and mentoring
- Required to document new processes and update existing documentation in a technical but comprehensible manor
- Maintained Vagrant development environments using Ansible as the provisioning tool
- Required to understand and refactor challenging legacy code

### Opsview

Reading

TECHNICAL INTERN

June 2014 - July 2015

- Placement year in industry from degree course
- Began in Customer Success department assisting with internal queries and upgrading and maintaining Git, LDAP and DNS servers.
- Was moved to Engineering department after redeveloping company intranet page in down time.
- Worked with ExtJS, HTML5, CSS & SQL to help ship companys largest release, Opsview 5.
- Heavily involved with documenting new release and new practises.
- Mentored two new interns in both Customer Success and Engineering departments, helping them with queries and having meetings to teach company practises as well as computing skills.
- Offered permanent employment after degree course

### University of Portsmouth

Portsmouth

IT HELP ADVISER

September 2013 - June 2014 & September 2015 - May 2016

- Helping students with computer queries such as account and profile issues.
- Fixing basic computer issues eg re-imaging and policy issues.
- Required ability to multi-task and explain issues to non-technical users.
- Required to work unsupervised late night shifts.

### British Pullman, Orient Express

London

PORTER

July 2010 - January 2013

- Part time employment working as part of a small team of 4 kitchen staff, assisting with passenger queries such as directions.
- Kitchen tasks such as helping with some food preparation.

# Open Source Projects

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## Mondoweb

GITHUB.COM/ROBCALCROFT/MONDOWEB

- Built using banking startup Mondo's - [getmondo.co.uk](https://getmondo.co.uk) - OAuth2 authenticated API
- Provides a web interface for users to view their Mondo bank account
- Community members have contributed to the application which required discussions about their code style and approach
- Versioned using the SEMVER versioning model
- Received positive feedback from community members on Mondo's Slack channel
- Built using Facebook's React and Node.js with plans to add state manager Redux

## Offline Train Times

GITHUB.COM/ROBCALCROFT/CHOOCHOO

- Experiment for university module into Service Workers and offline web experiences
- Used National Rail API to show train times for specified journeys and cached files and results on user's browser using Service Workers and localStorage for state saving
- Experiment showed relative ease of implementing offline experiences for uses with slow or non existent network connections but slow adoption of technologies in current browsers

## jQuery Loadmask Plus

GITHUB.COM/ROBCALCROFT/JQUERY-LOADMASK-PLUS

- A fork of a jQuery loadmask project, the fork aims to modernise the practises and technologies used
- Improved original API through additional options to give user better experience

OTHER OPEN SOURCE PROJECTS ARE AVAILABLE AT [GITHUB.COM/ROBCALCROFT](https://github.com/RobCalcroft) AND [CALCROFT.CO/#PORTFOLIO](https://calcroft.co/#portfolio)

# Writing & Speaking

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## Blog

BLOG.CALCROFT.CO

August 2015 - Present

- Discuss the web and challenges it faces & how to tackle them
- Document projects and discoveries
- Share new practises and technologies

## Talk

OVER-ENGINEERING IN THE WEB

November 2016

- Spoke at the University of Portsmouth at the IT Society's Lightning Talks about how over-engineering in the web affects developers and users

# Activities

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## sk8 Jam (Roller skating sessions)

[Camberley](#)

STEWARD & INSTRUCTOR

2005 - 2012

- Inline roller skating instructor for all age groups and all abilities
- Acted as steward for roller skating sessions which involved organising games, supervising proceedings and enforcing rules

## Goodwood Roller Marathon

[Chichester](#)

MARSHALL & FIRST AIDER

2007 - 2009

- Yearly full marathon around the Goodwood Motor circuit for charity
- Marshaling included ensuring track was safe, directing participants and running errands
- First aid trained for 2009 marathon

# Interests

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- Travelling
- Working on and contributing to open source software
- Gaming
- Roller skating