

# Lewis McMahon

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## Personal Statement

I am a social individual who enjoys problem solving and working under pressure. My main drive is to build interesting things, find elegant and simple solutions to complex problems.

My main hobby is rock climbing. I climb indoors a couple of times a week when i can and outdoor trad when the weather permits. I am currently undertaking a mountain leader summer course to broaden my skill set.

## Web Development

Since 2008 I have been working as a freelance web developer and designer. have built websites that integrate social media such as Twitter and Facebook. I have worked a lot with xml, json api's, large sql data dumps and automated crawlers to gather and interpret data.

Some of my notable projects include a easy to use image gallery, custom event booking software, a system to automate generate print ready pdf's for business cards, collaboration tool for a gaming group and i advised the development team on a new online lottery site.

I have worked on projects using scrum, dsdm and other agile frameworks.

## Technologies

### Programming Languages

My main languages are PHP, Python 2.7 and Javascript i also have some experience with C++, C# and ASP.net.

### Data

I am equally happy with SQL and NoSQL type databases all though i have the most experience with MySQL. I also have a lot of experience working with json and xml api's of large datasets.

### AWS

I have a lot of experience managing and implementing AWS and other "cloud hosting" solutions for both my own work and other companies.

### OS

My go-to server os is ubuntu 14.4 (debian) or Amazon Linux AMI (RHEL) but i have also capable of other linux distros or windows server admin.

**"Creativity is the process of having original ideas, that have value"**

*Sir Ken Robinson*

## Experience

### Switchstance

June 2015- August 2015

PHP and Devops Developer

At switchstance my projects have been to migrate their existing infrastructure from a single dedicated server hosting 30+ web apps, source control and email to AWS EC2, RDS etc; build custom cloudwatch metrics, and implement a deployment pipeline

### Hartwith International

May 2014 - June 2014

Freelance Ecommerce Developer

At pennine i was responsible for a project to extend opencart to allow multiple opencart sites to be managed and extended from one location and to also allow the clients to add new features to their website by purchasing them from an opencart shop that automatically adds them to their website.

### Data Quarry

April 2014 - Present

Data Quarry is a company i started that focuses on web crawlers i have a crawler that fetches categorised lead generation data that is directly saleable to an end user and i also build custom crawlers to fetch any sort of data a client could want at peak our system can fetch and analyze 100,000 pages an hour, and our main database contains several million rows.

### Proco

May 2013 - July 2013

Freelance Lead PHP Developer

While at Proco i was responsible for maintaining and debugging their existing php applications and building new apps for their client's such as a wisig system for creating and sending mass mailers and a system to analyze email addresses their data entry team had entered and clean up mistakes where tlds were missing etc.

### MB Advertising

December 2011 – November 2012

Full Time Web Designer

While working for MB advertising I was tasked with updating their many client's websites with new features and content. While working there I was able to learn many new techniques and grow my design skills.

### Freelance

2008 – Present

Since leaving school I have been working as a freelance web designer and developer. I have built many different websites and web applications from simple 4 page websites to a bespoke file hosting and management application for a well known MNC.