

# Jeremy Wilkins

Full stack developer with 20 years experience who still loves coding.  
Docker enthusiast, TDD adherent, Linux geek, and avid mountain biker and rock climber.

## HEADLINE PROJECT

### FlexMR Platform 2008 - 2017

A market leading Multi-Tenant Research Platform written by me in Ruby, MySQL, Redis, Sphinx, jQuery and React. see <https://flexmr.net>

FlexMR provides a research tools, combined with community features allowing interaction between thousands of members in communities. The content of that interaction, and the results from the research tools are all made available to platform sponsors with inbuilt big data analysis tools.

## FEATURED PROJECTS

### Multi Application Continuous Deployment pipeline 2018

Docker-ised multiple PHP and Rails applications. Migrated repos to GitLab, and auto-built Docker Images with GitLabs CI service, and ran tests via Docker, before upload to the Docker Registry. Deployed with NGinx proxies, LetsEncrypt and Compose, via Git with 'push to deploy'.

### Custom theming system 2015

Platform required on-the-fly compilation of bootstrap SASS assets for dynamic branding purposes. Used the Sprockets source code for inspiration, and created a fully compatible 'on-the-fly' version with support for including branding data from ActiveRecord, all fully cached.

### Continuous Deployment 2015

Building and testing of Docker Images on CircleCI. Rake tasks to handle deployment across a cluster via Net-SSH. Later extended to use Swarm.

### Online Chat system 2009

Multiroom chat system with moderation and 'silent observation' features. Allows inline delivery of image, audio and video content.

### Cascading Translation System 2014

Per-tenant, per-language translation system. All translations held within Redis. Includes a custom UI to allow managing translations, with full and partial import/export of all translation strings via XLSX files.

4 Carlingdale  
Burneside, Cumbria  
LA9 6PW  
07711 533063  
[jeremy@jdwilkins.co.uk](mailto:jeremy@jdwilkins.co.uk)  
<https://github.com/jebw>

## SKILLS

Ruby on Rails, 10+ years

PHP

Docker and Kubernetes

MySQL, PostgreSQL, Redis

ElasticSearch and Sphinx

Javascript, React, Angular,  
ES6, Stimulus, jQuery

React Native, Cordova,  
Turbolinks

SASS, HTML5, Bootstrap,  
Zurb Foundation

Linux Systems  
Administration

Dev Ops / CI / CD

AWS, Digital Ocean, GCE,  
Brightbox

MiniTest, RSpec, Shoulda,  
FactoryGirl

Agile Project Management

## EDUCATION

Lancaster University,  
BSc Hons Computer Science  
1997 - 2000

Pershore High School,  
4x A Levels, 9x GCSEs  
1991 - 1997

## Digital Whiteboard system 2011

Digital Whiteboard, allowing online collaborative annotation of content, together with both asynchronously or via live chat system above.

## Video processing platform 2013

Extending an existing platform to support video embedded within content. Support for uploading videos to AWS S3, reprocessing videos via FFmpeg jobs running with DelayedJob.

Replacement of all Markdown based textareas with WYSIWYG HTML editor featuring progressive upload of videos/photos to the Users gallery.

## Platform wide Content Search 2012

Implemented search across all content in a broad heterogeneous platform with complex sorting, filtering and export facilities. Initially implemented using Sphinx, later converted to Elastic Search.

## EXPERIENCE

### J D Wilkins, Kendal — *Managing Director*

Nov 2008 - PRESENT

Self employed Software Developer, building a variety of bespoke systems in Rails, including building the FlexMR platform over a number of years.

### FlexMR, Milnthorpe — *Chief Technology Officer*

Sept 2015 - June 2017

DevOps and Management role, responsible for delivery of the FlexMR platform, including team and project management, business analysis, feature design, product scalability, and software development.

### Ibex Internet, Kendal — *Senior Developer*

Oct 2005 - Oct 2008

Developing bespoke booking and ecommerce systems targeting the tourism industry in PHP and Ruby on Rails.

### University of Cumbria, Lancaster — *Systems Administrator*

Apr 2002 - Sept 2005

Small team providing System Administration across ~3500 Windows machines and associate Server infrastructure. All centrally managed, down to remote OS installation.

### Summerfield Business Systems, Worcester — *Developer*

June 1997 - Mar 2002

## ATTRIBUTES

Focused

Pragmatic

**Good Communicator** - I can talk both tech and business

**Fast Learner** - I understand requirements and new codebases quickly and easily

**Defensive Developer** - I write robust code, I anticipate problems and find solutions

Problem solver

Positive and Enthusiastic

Team player

## INTERESTS

**Rock Climbing** - I use my holidays to travel and climb in beautiful locations

**Mountain Biking** - I spend my weekends riding the many world class trails we have locally.

**Getting out in the hills** - I live in the lake district so being able to get into the hills is awesome.

**Geeking out** - I enjoy learning new concepts and tools - figuring out how a new tool is useful or pulling apart a codebase to see how it works