

# Jeremy Wilkins

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

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## HEADLINE PROJECT

### FlexMR Platform 2008 - 2017

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

FlexMR provides community platforms with 1000s of users featuring many in built research and interaction tools. Research data is made available to tenant owners for analysis with an array of built in big data analysis tools including allowing cross referencing both quantitative and qualitative data.

## FEATURED PROJECTS

### Multi Application Continuous Deployment pipeline 2018

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

### Custom theming system 2015

Platform required on-the-fly compilation of Bootstrap based theme, with database controlling SASS variables for dynamic, per tenant, branding. 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 2016

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, and features built in polling and automatic question features.

### Cascading Translation System 2014

Per-tenant, per-language translation system, with cascading back to system wide translations. 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.

## SKILLS

Ruby and Rails, 10+ years

Docker and Kubernetes

MySQL, PostgreSQL, Redis

ElasticSearch and Sphinx

Javascript, React, some 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

Support for uploading videos to AWS S3, reprocessing videos via FFMPEG jobs running with DelayedJob. Integration of WYSIWYG editor across all content areas, featuring progressive inline upload of Videos.

## Platform wide Content Search 2012

Implemented search across a wide range of content with Sphinx, and later Elasticsearch, supporting complex sorting, filtering and export facilities.

## EXPERIENCE

### J D Wilkins, Kendal — *Full stack Ruby Developer and MD*

July 2017 - PRESENT

Software development across a broad mixture of new and existing projects including a Recruitment platform integrating BoardEx and CapitalIQ APIs, work for NHS and BAA on internal systems, GDPR compliance work, Rails app modernisation and version upgrades, CI setups, and a Cordova mobile App.

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

Sept 2015 - June 2017

Responsible for delivery of the FlexMR platform, including team and project management, feature development, business analysis, feature design and product scalability.

### J D Wilkins, Kendal — *Full stack Ruby Developer and MD*

Nov 2008 - July 2015

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

### 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 computers and Servers. Centrally managed, inc 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