

Mike Welsh CV

Email: hello@kytschi.com

<https://kytschi.com>

<https://github.com/kytschi>

Work History

April 2023 – Present

Quiet Connections CIC (volunteer)

Offering dev support to them to help update their website and implement their new e-learning platform.

April 2023 – May 2023 (Contract)

Prosper Labs (Lead Developer)

Zephir, DevOps, Linux, Bash/Shell Scripting, API and Jira.

Built a Discord bot to allow project management via Jira by the project manager and announce/assign tasks to employees based in Discord. A parser system was added to allow bulk sharing of helpful information from another resource to the team in a knowledge sharing channel.

December 2020 - Aug 2022

Kytschi Ltd (Senior/Lead Developer)

Worked on various projects from custom Linux builds to monolithic e-commerce systems. Some honourable mentions:-

Boutique Whitening E-Commerce System

PHP, Phalcon, HTML, CSS, JavaScript, API, MySQL, Linux/Devops, Redis, GIT, SendGrid, Twillio, Shipping APIs and Stripe.

A monolithic e-commerce platform to replace around 5 internal apps the company used. The plan was to merge all those processes under one system allowing the staff easier and more productive access to the data.

Platform boasted integrations with their stock control system, their online dental finders, built-in invoicing system, online purchasing and payment system via Stripe. Payments could also be setup to be monthly recurring as often clients would just invoice for the same orders on a monthly basis. The payment system had a number of key features such as a discount system, late fees management and refund/overpayment balance management.

Talkopedia Blogging site

WordPress, PHP, Phalcon, HTML, CSS, JavaScript, devops, Shell Scripting, MySQL and API.

A port of a WordPress blogging site into a bespoke CMS written in Phalcon. The new CMS is heavily SEO focussed allowing for dynamic content generation and SEO campaigns backed up by site scrapers.

Everything Dental Online Dentist Finder

PHP, API, Laravel/Lumen, JSON, Vue.js, HTML, CSS, MySQL, Google maps and Linux/Devops.

Massive online dental finder to help user's find a local dentist in their area. Covered UK and Australia with the proposed expansion into other countries.

Sporting PHP back end API with Vue.js front end.

May 2020 – Sept 2020 (Contract)

Trility Ltd (Senior Web Developer/Support)

CRM and Lead Generator Applications

PHP, CakePHP, Lumen/Laravel, API, Vue.js, devops, AWS, Linux, HTML, CSS, JavaScript, and MySQL.

Worked on maintaining their current bespoke CRM while building their new one.

July 2020 – August 2020 (Contract)

ActiveCell Tech Ltd (Software Developer)

3D Printing API

Linux, API, OctoPrint, Raspberry PI, PHP, Laravel and SQLite.

Built an API to allow the front end developer build an app so he could manage their 3D printing farm.

January 2020 – May 2020 (Full-Time)

Trility Ltd (Senior Web Developer/Support)

CRM and Lead Generator Applications

PHP, CakePHP 4, AWS, IT support, MySQL/MariaDB, GIT, CSS, jQuery, HTML5, Linux, Docusign, Experian and Creditsafe.

Worked on maintaining their current bespoke CRM while building their new one.

July 2019 – January 2020 (Full-Time)

Papertrail.io (Senior Web Developer/DevOps/Support)

CRM and Document Management API

PHP, Laravel 5.5, API, MySQL, MongoDB, Redis, Slack, Mandrill, SES, Chargebee, Intercom, Pusher. API, AWS and devops.

Working primarily on maintaining their API that drives their mobile app.

March 2019 – April 2019 (Contract)

Petards (Software Engineer/DevOps)

Media Management System

PHP, Laravel 5.8, HTML, JavaScript (jQuery), MariaDB/MySQL VMs, AWS/Devops, and SQLite.

Building of a CMS that talks to custom hardware and software located on trains manage security footage.

April 2018 – March 2019 (Full-Time)

XLVets UK Ltd (Senior Web Developer/DevOps/Support)

CMS, CRM, Database Warehouse, Website

PHP, Laravel, Symfony, MySQL, MS SQL, BI, devops, tech support, HTML, CSS, JavaScript and APIs.

Primarily doing general IT support and managing their online websites. One notable project was the building of a data warehouse to allow the business intelligence manager to build business intelligence reports. The warehouse merged around 6 different data sources into a single MS SQL

server in a normalised format.

September 2015 – April 2018 (Full-Time)

One Utility Bill Ltd (Senior Developer/DevOps/Support)

Customer Relationship Management System

PHP 5.6, PHP 7.0, API, Smarty, MySQL, devops, tech support, HTML, CSS, JavaScript, Stripe, GoCardless, Angular, Mandrill and MailChimp.

Built the companies first version of their bespoke system for running the company. The software was a monolithic system covering all departments of the business, i.e. customer support through to sales.

The software sported email and PDF parsing to automatically process bills for the admin team. Integration with payment systems, ticket support systems and email systems for customer support. Sales made use of the built in quote system that used “live” data feed from the energy industry.

March 2015 – January 2017 (Voluntary)

North Tyneside Altering Images of Mentality (AIM) Group (Web Developer/DevOps/Support)

Website

WordPress, MySQL, graphic design work, spreadsheets, word, devops and group support.

March 2015 – January 2017 (Voluntary)

CAMEO North Tyneside Newcastle (Web Developer/DevOps/Support)

Website

WordPress, MySQL, graphic design work, spreadsheets, word, devops, MailChimp and group support.

April 2014 – August 2014 (Full-Time)

SGP Consulting Ltd (Senior Developer/DevOps)

LAMP, Python, Symfony, Laravel, CakePHP, CodeIgniter, Slim, devops, HTML, CSS, JavaScript, GIT, .net and Java Android work.

Worked on a number of projects from Android application builds to e-commerce systems.

December 2013 – April 2014 (Voluntary)

Adult Learning Alliance (Teaching Assistant/Support)

Teaching

Assisting in the teaching to the introduction to building a website in HTML, CSS and JavaScript.

March 2013 – August 2013 (Contract)

Centre for Life (Lead Developer)

Content Management System

Bespoke PHP 5.3 build, Smarty, MySQL, HTML, GIT, CSS, JavaScript, and devops.

Built the system that hosted their front facing user website.

October 2009 – July 2011 (Full-Time)

Portable Appliance Safety Services (Senior Developer/DevOps/Support)

CMS, CRM, Website, Reporting Tools, E-Commerce System

Bespoke e-commerce and CMS system in PHP 5.2, Smarty, GIT, HTML, CSS, JavaScript, Python, MySQL, Moodle and devops.

Wrote a bespoke e-commerce system that was used to power most of the companies sales. Worked on a number of other projects a notable one was an online content spinner to better promote websites to search engines.

Implemented a LMS based in Moodle to help deliver remote training.

June 2008 – October 2009 (Full-Time)
Indigo Multimedia Ltd (Web/Flash Developer/DevOps)

PHP, Symfony, Zend, CakePHP, Yii, CodeIgniter, Flash, HTML CSS, MySQL, GIT, SVN, Postgres, AIR, MS SQL, JavaScript, and devops.

Worked on various projects from e-commerce systems to front facing client websites. A notable build was an interactive software that assisted sports coaches in their training programs. The software allowed to track the position of various joints of a gymnast for example so you could gain information on what said joint is up to during the training session.

September 2007 – June 2008 (Contract)
Digital Fibre Ltd (Web Developer)
E-Commerce System

PHP, Smarty, Flash, HTML, CSS, GIT, SVN, JavaScript, Postgres and devops.

A massive e-commerce system designed to replace a number of key systems for a large marketing/shipping company.

May 2007 – September 2007 (Contract)
The Amazing Group (Flash Developer)
Music Player

Flash, GIT, SVN, Perl, and XML.

Development of their music player to allow you to play back user posted music on amazing tunes.

November 2006 – May 2007 (Full-Time)
Granada Learning (Flash Developer)
E-Learning Games

Flex 2.0, Flash, SVN, JavaScript, Oracle, and ActionScript 3.0.

Building their new e-learning platform ported from Java to Flash. There was a number of interactive learning games.

April 2006 – November 2006 (Full-Time)
Zest Marketing Solutions Ltd (Web/Software Developer/DevOps)
Marketing Websites and Games

PHP, ColdFusion, SVN, MySQL, Postgres, HTML, CSS, JavaScript.

Worked on various projects from online scratch cards to marketing websites for various products.

April 2006 – June 2008 (Full-Time/Contact)
Fayd Solutions Ltd (Lead Developer of Own Business)

CMS, E-commerce, Flash, ActionScript, Flex, ColdFusion, HTML, CSS, JavaScript, SVN, MySQL, Postgres, MS SQL, Oracle, PHP, BASH, and .net.

Worked on various projects from e-commerce builds, online games, CRMs, CMS's, BI tools and static websites.

April 2006 – February 2008 (Part-Time)

Captivu Ltd (Lead Developer)

E-Learning Games

Flash, ActionScript, HTML, CSS, PHP, MySQL, C++, and Custom Linux.

A custom Linux operating system that was used to host various interactive educational games in a touchscreen kiosk. The games were designed to teach children on various aspects of dental health and care.

March 2006 – April 2006 (Contract)

Northumbria University (Technical Developer)

E-Learning

PHP, devops, HTML, CSS and MySQL.

Worked on building a new feature for their intranet and some devops support with a new build.

December 2005 – January 2006 (Contract)

YOnline (Web Developer)

Website, CMS, Interactive Websites

PHP, HTML, CSS, JavaScript, MySQL, Linux, ASP.net, Flash and ActionScript

Supporting their lead developer with reducing his backlog of work. Mostly finishing off front facing websites and getting server's up and running to go live.

December 2004 – May 2006 (Full-Time)

Independent Consultant (Sole trader)

IT Projects

C/C++, devops, .net, VB6, ColdFusion, PHP, MySQL, MS SQL, Oracle, Access, Flash, ActionScript, Python, HTML, CSS, JavaScript and SVN.

Worked on various projects namely for a company that was based at Newcastle University called Knowledge House.

December 2004 – October 2005 (Part-Time)

V3 Technologies Ltd (Lead Developer)

E-Learning Platform

Sole developer of an e-learning training suite for the Virtual Centre of Learning Excellence (VLCE) project allowing SME's within the region in-house training. Aided in the expansion of V3 Technologies business and the awarding of a two year project from the VLCE. The e-learning training suite was written in Flash MX 2004/ActionScript 2.0 and ColdFusion 7.0. Other roles involved network administration of both Windows and Linux based systems, customer support, technical consultancy for documentation writing and presentations.

June 2002 – September 2003 (Full-Time/Placement Year)

Northumbria University (Software Developer)

VB6, .net, Linux/Unix/Devops, teaching, e-learning material development, assisting lecturers and students, and the building of a Linux cluster to be used as a supercomputer.

Education

September 2000 – July 2004

BSc. (Hons) in Computer and Networking Technologies

Northumbria University (Graduated with 1st Class Honours and distinction in project)

September 1998 – July 2000

HND in Electrical and Electronic Engineering (Merit), Northumbria University

September 1996 – July 1998

BTec National Diploma in Electrical and Electronic Engineering, North Tyneside College

September 1991 – July 1996

St Thomas More High School, North Tyneside 7 GCSEs including Mathematics, English and Science.

Skills

Linux, Mac OS, Windows, UNIX and Amiga OS.

Development:

Day to day

HTML(5), CSS3, PHP (5.6+, 7.0+, 8.0+),
Phalcon, JSON, JavaScript, jQuery, GIT,
MySQL

Able to work with

.net, any PHP framework, Bash/Shell, XML,
Zephir, Python, JavaScript frameworks, Node,
C/C++, Databases, ActionScript 3.0, Flash

Other: Word processing with Microsoft's Office Suite and Open Office, Photoshop, SQL and No-SQL.

Interests

I enjoy drawing and sketching. Lately I've been writing my own programming language for the web inspired on AmigaBasic called kytschBasic. Checkout <https://kytschbasic.org> for more info.

Also been working on a bash/shell script ASCII based space adventure.
<https://github.com/kytschi/omega-doom>

And also started to create my own compiler (written in C) for a language I've decided to create.

I've been mentoring a young developer for the last few years taking him from a non-developer through to him now placed in a role and releasing his first major project.

Other interests are making music, still enjoy making those good old chip mods, and retro-gaming.

Referees

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Software Developer
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