

# Karl Wagner

**Phone:** +44 (0) 7784 944 701 **e-mail:** karl@karlw.com **Location:** Knottingley WF11

**Contract roles only - no permanent jobs**

*Update on 15th April 2019. For info, latest CV and availability, please visit [www.karlw.com](http://www.karlw.com)*

## Introduction

I am a skilled and dedicated software developer, experienced in multiple languages, platforms and architectures. My area of expertise is in developing efficient, scalable and manageable back-end solutions. I am highly adaptable and quick to learn, able to get up to speed on a new project quickly and provide the most effective way forward.

## Skills

Development using a variety of languages, platforms and frameworks:

- PHP and MySQL development, creating robust, scalable backend solutions.
- Understanding of the full LAMP stack, virtualisation, and cloud hosting platforms.
- Use of common PHP frameworks, including Laravel and Zend.
- Design of custom APIs, including RESTful services and SOAP.
- Use of payment services, especially tokenisation, with an understanding of the underlying APIs, security and PCI DSS.
- Web development, including responsive design, using HTML, CSS, SASS/SCSS, Javascript, JQuery and Bootstrap.
- Use of common front end frameworks, including React.js.
- Custom module development for Magento 1 and 2.
- Windows application development in .Net, C# and MS SQL Server.
- Scripting in a variety of environments, using Perl and Bash scripts among others.

Hardware, software and network admin/support/management.

Experience with VoIP systems, hardware and software, including Asterisk.

## Qualifications

- BEng. (Hons) Mechatronics
- 4 GCE A-Levels & 9 GCSEs

## Work history

### Magento Developer

Nov 2018-Present    Missguided

Missguided is a large online retailer of clothing and fashion products. My main responsibilities include:

- Development of new functionality for their large, heavily customised Magento 1 EE site.
- Bug fixing and optimisation of their Magento codebase.
- Integration with new, AWS based services including Lambda, DynamoDB and more.

Technologies used: PHP, Magento 1, MySQL, AWS, Lambda, HTML, CSS, SASS, Javascript.

## **Magento Developer**

Mar 2018-Oct 2018 8 West Consulting

8 West is a business consulting and software development company based in Cork, Ireland. My main responsibilities include:

- Developing new functionality for client sites.
- Maintaining and fixing bugs in client sites.
- Upgrade of an existing client site from Magento EE 1.x to Magento 2.2 on Magento Cloud.

Technologies used: PHP, Magento 1, Magento 2, MySQL, HTML, CSS, SASS, Javascript.

## **Backend PHP Developer**

Dec 2017-Feb 2018 Agency TK

Agency TK is a Digital Design agency based in Leeds. My main responsibilities include:

- Developing new functionality for client sites.
- Maintaining and fixing bugs in client sites.
- Quoting and assisting in planning for new projects.

Technologies used: PHP, Laravel, Wordpress, MySQL, HTML, CSS, SASS, Javascript.

## **Magento Developer**

Sep 2017-Dec 2017 Allrounder Cricket

Allrounder Cricket is a large sports retailer based in Leeds. I was tasked with working on their Magento e-commerce website:

- Fixing bugs in the existing system.
- Developing new modules to implement enhancements.
- Tweaking the theme to improve the look and feel of the site.

Technologies used: PHP, Magento, MySQL, HTML, CSS, SASS, Javascript.

## **Software Developer**

Jan 2017-Aug 2017

Learning new skills and working on several personal projects, including:

- Karaoke system using Laravel, HTML5 & JS with a social element.
- Virtual reality theatre for Plex Media Server using WebGL, WebVR and three.js.
- Learning ReactJS for use in future projects.

Technologies used: PHP, Laravel, WebGL, WebVR, three.js, ReactJS, HTML5, CSS.

## **Software Developer (PHP)**

Jun 2016-Jan 2017 Europlus Direct

Europlus Direct is a worldwide IT support and warranty sales company. I was tasked with creating a sales platform from scratch to replace their aging CRM system:

- Full three-tiered sales portal implemented in Laravel and PHP.
- Robust back-end design extensible for future customer-facing portal.
- Designed to meet and enforce their own policies and procedures.

Technologies used: PHP, Laravel, MySQL, JQuery, Javascript, Bootstrap, HTML, CSS.

## **Software Developer (C#)**

Mar 2016-Jun 2016 The Broker Network

The Broker Network offers services, including regulated financial services, to independent insurance brokers. I was involved in the following with this client:

- Disaster recovery on their web server, including migration of databases and websites from Window Server 2003 to 2012 and SQL Server 2008 to 2014.
- Planning and preparatory development work for a new website.
- Bug fixing and software support for existing systems.

Technologies used: C#, ASP.Net, PHP, SQL Server, Windows Server, SOAP, MySQL

## **Software Developer (PHP, Javascript and C#)**

2013-2016 Sweet Squared

Sweet Squared is a Beauty Products distributor with 5 sites spread throughout the UK & Ireland. They focus on sales, customer service and training to beauty professionals and educators in professional product lines. During my time there, I have been involved in:

- Development of custom responsive web based systems in PHP for support of staff, customers and educators, using a MySQL backend and jQuery and Bootstrap on the frontend.
- Development of a custom EPOS system in C#, heavily integrated with their ERP/CRM system (Netsuite).
- Development of custom functionality within Netsuite, implementing business logic and new features.
- Development of custom Magento modules to implement business logic.
- Administration of both on site systems and hosted infrastructure for all elements of the business.

Technologies used: PHP, MySQL, Javascript, jQuery, Bootstrap, C#, .Net, SQL Server, Magento, Apache, Linux, Solr, Active Directory, Asterisk, VLAN, VoIP, Windows

## **Software Developer**

2007-2013 Diodes Zetex Semiconductors

Diodes Zetex Semiconductors is the UK subsidiary of the global semiconductor manufacturer Diodes Incorporated. Working within a varied and highly skilled team, my main responsibilities included:

- Development of systems to support manufacturing and wafer test departments.
- Upgrade of critical manufacturing system under VMS and Solaris, including hardware design, data migration and custom development.
- Administration and support of Windows, Linux, Solaris and VMS systems.
- Integration of multiple bespoke systems with open source solutions.

Technologies used: PHP, Perl, MySQL, Bash, .Net, Active Directory, Oracle, Solaris, Linux, Nagios, Subversion, Windows.

## **Software Developer and Systems Administrator**

2006-2007 Self employed

Contracting for various companies simultaneously, working on projects including:

- Development of custom admin GUI for Asterisk using Apache, PHP and MySQL.
- Implementing Asterisk VoIP phone systems including hardware and configuration.

- General administration and support services for various sites.

Technologies used: PHP, MySQL, HTML, CSS, Javascript, Apache, Asterisk, Linux, VLAN, VoIP, Windows, Active Directory.

## **IT Technician**

2005-2006

National Grid

- Development of SQL database integration software for AutoCAD under VBA.
- Administration of AutoCAD systems and training for permanent staff.

## **IT Technician**

2000-2001                  Filtronic Comtek

Server and workstation management and support on Windows 95, NT and 2000, Novell and Unix.

## **Assistant Network Administrator**

1996-2000                  Ralph Thoresby High School

Assisting in the management of the school Windows NT & Linux based network.

## **Education**

### **BEng. (Hons) Mechatronics**

2002-2004                  University of Lancaster

Highly practical degree integrating Mechanical and Electronic Engineering.

### **Analysis and Business in Communications IT**

2000-2001                  University of Leeds

First year of a degree course in Electronic Engineering and Financial & Management Accounting.

### **GCSE & A-Level Qualifications**

1992-2000                  Ralph Thoresby High School

- GCE A-Levels: Grade A in Maths, Further Maths and Physics, B in General Studies.
- GCSE: Grade A\*-C in 9 subjects.