

Garett Robson

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Summary

I have worked in development roles for over a decade, in that time I have;

- Commercially developed software in various languages including PHP, Java and C#.NET.
- Built software using object oriented development skills through analysis, UML and testing practices.
- Setup and maintained a number of database system including MS SQL Server, MySQL and IBM DB2.
- Worked with streaming technologies including FFmpeg, Windows Media Server and Wowza.
- Built SEO and standards compliant websites with HTML, CSS, and numerous Javascript libraries and frameworks including jQuery and Prototype.
- Developed user experiences built around various input methods; mouse/keyboard, touch screen, IR remote control.
- Confidence and competence in both a GUI and CLI environments.
- Worked with both Windows and Linux servers.
- Experience using GIT for version control.

Work History

Freelance Software Consultant & Developer

BeTechTV

Torrance, CA, United States

Jan 2018 – Present

BeTechTV is a IPTV (Internet Protocol Television) provider, originally they were a client of my previous employer until financial struggles arose with them. Initially I was brought in to complete an outstanding workload, but as time progressed the role expanded to tailoring the product and experience for the various end users. My work included;

- Expanding the functionality of the Laravel (PHP) based content management system.
- Building additional jQuery widgets for use on set-top box's.
- Enriching the user experience through HTML/CSS/JS.
- Optimising performance through changes to PHP code, MySQL database configuration and user experience flow.
- Advising on server purchase and configuration for video streaming.

Freelance Software Consultant & Developer

Infinite Blu Ltd.

Kowloon, Hong Kong

2015 – Jan 2018

Infinite Blu Ltd is a merger of Eight-Zero Digital who I was previously working with (see below) and set-top box manufacturing company, Telergy Hong Kong. In addition to continuing my previous responsibilities my role included but was not limited to;

- Developing a content management system using Laravel (PHP) to enable business clients to manage their video content and customer base.
- Creating engaging end user experiences implemented in HTML/CSS/JS for use on set-top boxes, smart TVs, mobile devices and desktops.
- Building a streaming video solution around FFmpeg, Apache2, and Laravel, supporting recording/playback and re-streaming from provider's origin streams.
- Integrating existing Eight-Zero Digital infrastructure with Amazon Web Services; physical servers migrated to EC2 platform for scalability, while leveraging the CloudFront CDN for delivery and security.
- Liaising with clients to gather, rationalise and implement their requirements.

Freelance Software Consultant & Developer

Eight-Zero Digital

Littlehampton, UK

Mar 2012 – 2015

Eight-Zero Digital was a streaming media company with a focus on IPTV. In my time with the company I worked on many different areas to help build their platform;

- Building their PHP content management system and web services.
- Development of HTML/CSS/JS based web systems including client-facing websites and electronic

- programme guide for use on 3rd party set-top boxes.
- Design and development of a new database structure to support the business requirements using MySQL.
- Building Java plug-ins for Wowza Media Server to construct play lists from the database, recording content broadcast from various sources, and providing security.
- Integrating with Content Delivery Networks for both live-broadcast and on-demand content using a shared-secret & encoding model for security.

Web Developer

Bozboz

Brighton, UK

Jan 2010 – Feb 2012

Bozboz is a full service web design agency based in central Brighton who develop websites for clients including Skint Records and Drinkin Brighton. My role primarily involved;

- Implementing PHP based content management systems and MySQL back-end.
- Developing websites with HTML, CSS and Javascript.
- Performing data migrations for customers moving to the companies proprietary system.
- Integrating social engagement into web experiences using Open Graph protocol, Facebook Markup Language, and ShareThis.
- Supporting clients use osCommerce and PHPList.

Engineer & Web Developer

Global Digital Broadcasting TV

Brighton, UK

Sept 2008 – Jan 2010

Global Digital Broadcasting TV were a leading producer of IPTV solutions developing software for set top boxes and channel management, as well as digital broadcasting platforms. My day-to-day responsibilities included;

- Maintaining a variety of Windows and Linux servers both on and off site.
- Optimising database queries and networks.
- Building C#.NET applications for server migration, monitoring, and configuration.
- Implementing Windows services and Windows media server plug-ins for managing video stream recording and playback.
- Maintaining video web portals for clients in PHP and Javascript.

Education

Koenig Solutions – Apr/May 2007

- MCAD – Microsoft Certified Application Developer
- MCP – Microsoft Certified Professional

University of Brighton, Brighton, England – 2001-2006

- Bachelor of Science (Hons): Software Engineering (2003-2006)
- Higher National Diploma: Software Engineering (2001-2003)

References

References are available on request.