

Experience

Internal Systems Developer

Fluency Communications

07/2013 - Present

I am currently the sole developer responsible for developing and maintaining the in-house CRM system which is used by internal staff, resellers and customers alike to carry out various actions such as creating quotes, responding to tickets, creation of knowledgebase articles and internal reports, as well as provide access to client services such as online SMS and fax-to-email.

The app is written in Ruby on Rails with MySQL and uses an extensive amount of jQuery and JavaScript for complex user interaction and AJAX requests for CRUD operations and API calls.

I also use PHP to maintain and develop other internal systems and APIs whilst also making use of external third-party and supplier APIs such as Google Maps and Adobe EchoSign.

Projects

I successfully created new functionality to allow the CRM to capture a still image from a remote webcam and then create a personalised badge for employees printed via a dedicated card printer. This was required to introduce secure entry to all offices in order to achieve ISO 27001 accreditation, therefore being able to take on clients such as those in the financial sector.

Created specialised reports and CRM features to avoid shared spreadsheets becoming out-of-sync between Commsworld and partner whom we had just signed a contract worth £12m with.

Created bespoke project report to use for internal projects rather than using external tools such as Basecamp.

Quotation system for internal sales people as well as approved partners to generate quotes and issue to customers which are then signed via EchoSign and generate provisioning tickets for the Provisioning team.

Internal knowledgebase system where articles can be assigned into categories and written in markdown and marked private for internal use only, or public for customer use.

Web Developer

Optical Express

11/2011 - 07/2013

Whilst working for Optical Express I was one member of a two person development team reporting to the Head of Online Development.

I was responsible for both long term projects, such as new sites and site re-designs, aswell as day-to-day tasks such as website maintenance and change requests, tracking pixel implementation for digital marketing campaigns, writing new reporting scripts, generating reports, landing pages and Facebook apps on the Optical Express Group pages.

PHP Developer

G1 Group

09/2011 - 10/2011

Developing and maintaining websites for all units within the group aswell as developing bespoke web applications for internal use.

Upon starting, I was tasked with my first major project which was to develop a 'Diary Room' for the launch of RePlay Glasgow which was a new nightclub at the time.

This involved a button being placed on the wall, which when pressed, triggers a countdown on the screen and a picture is taken using the wall mounted webcam and uploaded to the club Facebook page.

On the other screens throughout the venue the latest picture is shown and updates automatically, as well as an auto-updating Facebook and Twitter feed.

Facebook content was retrieved from the RePlay Glasgow page using the Graph API and the tweets containing the appropriate hashtag were pulled using the Twitter API and scrolled along the bottom of the screen inside a smooth-scrolling jQuery marquee.

Systems Developer

Picisel Technologies

01/2011 - 08/2011

As the only member of the 'Tools' team my responsibilities varied from day-to-day, involving anything from the list below:

- Maintain the intranet site and bespoke in-house test, review, asset and time- recording systems using Perl, Python, Shell Scripting, PHP and MySQL for the backend and HTML, CSS and JavaScript for the front-end
- Fix any bugs raised in Bugzilla and assigned to me by the software engineers using the systems
- Manage workload of servers processing overnight tests to ensure that there is a balance of the work distributed and to avoid these tests running over into the beginning of the working day
- Repair servers and other machines if and when they crash
- General system/ database / network administration using UNIX command line and open source tools such as Apache, PHPMyAdmin, Nagios, Munin, TightVNC, WinCVS and phpLDAPadmin

Web Management

Ken’s Yard

03/2010 - 12/2010

This role initially started as a contracted outsourced role whilst in my previous employment which then progressed to a full-time position when the company was ready to fully start trading.

Working in a small team of two reporting directly to the director and other board members, the main day-to-day duties varied widely and ranged from the following:

- Making and receiving phone calls to and from suppliers, manufacturers, couriers and customers
- Processing sales and invoices
- SEO and PPC campaigns, including using Google Analytics and Adwords
- Web Design - general tidying up and the creation of new pages in the CMS aswell as liasing with the outsourced development agency regarding new functionality and testing the changes once complete.
- Maintaining the back-end database of 30,000 products: adding/deleting/amending product data
- Supplier price updates ranging from a few hundred to twenty thousand products

Outsourced Developer

IDS Computer Software





05/2010 - 08/2010

Reporting to both the lead developer and the director, this role was on a part-time basis working two evenings per week.

The role was focussed on helping the development team meet their target project completion date concerning a Silverlight web application for a South Lanarkshire Council grant approval scheme.

The main responsibility involved in this project was to transpose paper-based application forms into an XML format in order to be used as the data model for the questions by the application.

Skills

			
Ruby on Rails / RSpec PHP Node.js / Express MySQL JavaScript / jQuery / AJAX / JSON gulp.js HTML5 CSS3 / SASS Markdown XML	Git SVN Github Gitlab	Apache nginx CentOS / System Administration Capistrano letsencrypt Vagrant / VirtualBox	Sublime Text Tower Photoshop Illustrator sketch Microsoft Office OS X Windows

Education

BSc (Hons) Computer Science

University of Strathclyde

2005 - 2009

Interests

I have a wide variety of hobbies and interests which include web development, reading, playing five-a-side football and most of all, learning guitar and playing bass.

At weekends I play bass in a local cover band performing at weddings, pubs, clubs and other private events which allows me to travel throughout Scotland and meet people with similar interests.