

Dave Marshall

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Jul 2007 – Present: Lead Developer, C Spencer Ltd – Set and maintain technical standards. Recruit, train and mentor trainee and less experienced developers. Release engineering and software configuration management. Review requirements specifications and design documentation produced by analysts and developers. Involvement in full project life cycle.

- Improved the development process through the introduction and implementation of automated builds, database deployment, continuous integration, unit testing and code reviews.
- Introduced the Zend Framework and the Dojo Toolkit, initially through experimentation with trainee developers, leading to lunchtime workshops for the full development team.
- Developed email content filtering system, that tagged emails and stripped out their attachments, before mail delivery. Emails and their attachments can later be registered in a document control system.(LAMP, Postfix MTA)
- Developed Debug console to aid developers, including simple Firefox extension to enable/disable the panel.(LAMP, Javascript)

Jan 2005 – Jul 2007: Network, Support and Developer, C Spencer Ltd – Network and systems administration, including 2nd line end-user support. Maintenance of legacy Intranet, including development of new systems.

- Designed and developed online invoice checking system. Overcame performance issues due to large volumes of data by including caching, AJAX and moving some business logic to database triggers and stored procedures. (LAMP)
- Designed and developed cost ledger reporting system. Data is extracted from Iris Exchequer accounting software to a MySQL database using PHP and COM. The data is then processed to generate Cost Ledgers in Excel spreadsheet format, including formulas and formatting, to replicate reports available from Exchequer software. The reports were generated in Perl. Automating the report generation, and making them available on-line saved the company approximately 15 man days per month, along with postage savings.
- Installed and configured AMANDA backup software to office and site locations.
- Implemented backup strategy for remote sites without tape backup, using open source software and BASH scripting to archive and compress data, split it into chunks and upload to Amazon S3. Configured a Debian Amazon EC2 instance, equipped to retrieve the backups from Amazon S3 and extract files as necessary.

Nov 2004 – Jan 2005: Web Developer, C Spencer Ltd – Development of 'Enterprise' Application, to combine satellite systems, providing web based email, calendar, document control, and personnel administration. (LAMP)

- Designed and developed shared calendar system, based around a simple MVC architecture, including recurring events and export to iCal format.
- Customised open source web mail application SquirrelMail and integrated with custom application.
- Designed and developed simple data access layer, using improved OOP capabilities of PHP 5.

Feb 2004 – Sep 2004: Web Designer (temporary contract), C Spencer Ltd – Design, development and deployment of public facing website and temporary staff Intranet. End user support.

- Designed and developed 250 page, XHTML and CSS compliant corporate website, including database driven elements and custom site search engine and indexer.
- Designed and developed temporary staff Intranet, including contacts, project administration, news, file storage/transfer and forums. Initial requirement was for a 6 month stand in application while 'Enterprise' application was being developed, but due to setbacks in the main project, the application is still in use now.

Zend PHP 5 Certified Engineer 2008

Zend Certified Engineer 2005

Member of the British Computer Society since 2003

BSc (Hons) Software Engineering, University of Hull 2003

A Levels in Maths, Physics, Computing and General Studies, Wolfreton Sixth Form School 2000

9 GCSE A-C grades, including English and Maths, Wolfreton School 1998