

Professional Summary

Graham is an experienced Drupal, PHP and front-end developer with over 7 years experience of web development and programming including XHTML, CSS, digital graphics, CMS, database design and deployment. He has strong problem-solving and innovating skills and is a quick learner. He has a passion for standards-based design and accessibility, as well as user-centric design. Seeking a web development role in a vibrant new media organisation where his skills can really make a difference.

Skills and Experience

- **Drupal & PHP development** Strong experience developing websites using the Drupal framework, as well as other technologies including Wordpress, CiviCRM, Mediawiki and phpBB. Able to design and manage MySQL databases. Understanding of software design principles and project methodologies such as agile development, Model View Controller principles and versioning repositories.
- **Front-end development** Expert at building standards-compliant and accessible websites using XHTML, CSS and JavaScript. Can take a Photoshop graphic design to a CSS standards compliant website quickly and accurately. Advocate for web standards where appropriate. Strong knowledge of cross-browser compatibility issues. Proficient using JavaScript, DOM and frameworks (jQuery). Able to create wireframes and discuss and advise on usability and interface issues with designers and clients.
- **Problem solving, analysis and communication** Adept at communicating at all levels and disciplines, including report writing and presentations. Led and worked in teams with designers, developers and clients. Strong problem solving abilities and always able to find a solution through creative thinking. Can analyse and identify appropriate needs and technologies for particular projects. A very quick learner and can adapt and learn whatever is needed for a particular project.
- Visual Basic, .NET, ASP (advanced)
- XML, XSLT (advanced), C , Java (Basic)
- CRM design and implementation
- Photoshop and digital graphics (advanced)
- LAMP, MAMP & WAMP server setup and maintenance (advanced), nginx, varnish (basic)
- Microsoft IIS 6 and SQL server (basic)
- Windows (expert), Linux (basic), Mac OS X (advanced)

Professional Highlights

- Successful management and deployment of over 15 Drupal based CMS websites for government projects, universities and a major teaching support organisation.
- Designed and created bespoke AJAX e-learning application and web platform in Drupal to empower non-technical users to create online learning materials with little experience.
- Project managed, coded and delivered the website and CRM for a major government teaching project to a tight deadline and small budget using open source software. Significant usability efforts allowed remote non-technical staff to use the automated system, saving the business time and money.

Career Details

April 2011 - present: **Drupal Developer** - Torchbox Ltd.

- Applied extensive Drupal expertise with contributed modules to create user communities, automated mailouts and template layouts for major nonprofit organisations. Showed complex problem solving skills troubleshooting sites using up to 160 modules.
- Planned and developed custom modules and features for Drupal, including reusable white label features.
- Worked with Agile project management methodologies including Kanban and feature-driven development.

Feb 2009 - April 2011: **Lead Developer** - Subject Centre for Languages, Higher Education Academy

- Promotion to senior role due to excellent performance, skills and responsibility. Supervisory responsibility for student programmer and junior web developer. Gave training and assistance to other developers.
- Coordinated the team's work, supervised and quality checked output. Implemented new working practices and industry standard work patterns to streamline productivity.
- Planned and project managed the design, programming and deployment of a web based CRM database for tracking constituent information to a very short deadline. Demonstrated planning skills and the ability to bring a project in on schedule, as well as complex PHP database design.
- Planned and migrated the organisations website portfolio from a legacy Microsoft server to a managed PHP/MySQL Linux server platform with greater redundancy and reliability. Executed this migration with no disruption in service to visitors and minimum of disruption to content editors, demonstrating vital communication and planning skills.
- Communicated with management and admin staff to discuss and analyse requirements for content and

design. Gave recommendations on interface and usability guidelines. Also gave strategic advice on emerging web technologies suitable to the organization.

Feb 2007 – Feb 2009: **Web Developer** - Subject centre for Languages, Higher Education Academy

- Performed audit and analysis on suitable CMS solutions for a major project, settling on the Drupal framework for its flexibility and community. Learned, implemented and customised Drupal, and developed custom modules for functions where existing solutions could not meet business needs.
- On the success of this project, developed and deployed Drupal solutions for four additional websites, requiring bespoke module and theme work. Performed extensive xHTML, CSS and Javascript work.
- Migration of legacy .NET CMS to Drupal, including migrating database, content, taxonomies and theme.
- Implemented easy to use interface design such that content could be updated by non technical staff easily and with minimal training. Provided training for staff in these systems using familiar language.
- Responsible for server setup and maintenance of sites with around 25,000 unique visitors total per month.

Dec 2006 - July 2007: **Web Consultant** – Chg Southampton Ltd.

- Provided information architecture audit and suggestions, design updates, and paypal integration.

2003 - Sep 2006: **Web Consultant** - School Of Physics and Astronomy, Univ. of Southampton

- Communicated with clients and discussed and analysed their requirements on content and design. Suggested points to improve and usability guidelines. Arranged regular update meetings to present and get feedback on design and extra features. Ongoing communication and feedback.
- Implemented new standards driven undergraduate admissions pages using PHP, HTML and CSS, as well as custom javascript behaviour to control choices in web forms. Designed a more pleasing and easier to read layout and graphics. Some design elements were later incorporated into the main departmental site.
- Multiple commissions were received following the success of the first project for four different clients within the department.

Sep 2003 - Sep 2004: **Laboratory Tutor** - University Of Southampton

- Coached students using team-building and communication adjusted to an suitable level for the audience.
- Assessment and marking displayed skills in analysis of written material, along with verbal investigation.

Jun 2002 – Sep 2003: **Editor/Graphic Design Assistant** - Optoelectronics Research Centre, Univ. of Southampton

- Exhibited strong communication skills in liaising with research staff and adapting publication content from technical documents. Responsible for the design of printed material and technical reports..

Education & Qualifications

2003–2006: **Doctorate (PhD)** – University Of Southampton

Thesis Title: Surface Effects in Liquid Crystal-Polymer Structures

- Research on surface effects in liquid crystal cells. The project was heavily reliant on computer modelling and simulation. This required in-depth mathematical programming and data manipulation.
- **Key Skills:** Working under pressure to deadlines, self-motivation and task planning, working in a team, presentations/seminars of 30+ minutes and poster design and presentation.

1999 -2003: **MPhys Physics Masters Degree**, Upper Second Class Honours
University Of Southampton

- Including programming, presentation skills and report writing in the form of a 3 month dissertation and a final year project for which I received a first class equivalent grade.
- **Key Skills:** Problem solving and the ability to analyse a situation or tasks and quickly identify the most efficient way to tackle it

2010: **ITIL V3 Foundation certificate:** Project and business IT management – British Computer Society.

1997-1999: **A-levels;** Computing (A), Physics (B) and Maths (B), Taunton's College, Southampton

1996–1997: **GCSE's;** 2 A*'s, 1 A, 4 B's and 2 C's. Hethersett High School, Norwich, UK.

Interests and other activities

President: SUSU Games Society (2003-2004)

Drafted new society constitution which was used for all new university societies. Increased membership by 600%. Was in a management role responsible for directing 4 other people and providing services to over 30 members. Also later held a communication/web officer role.

Hobbies: Cycling, hiking, photography, films, video editing, gaming, technology

References available on request