

David Singleton. A web developer in London

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An experienced **web developer** with extensive **backend** and **frontend** skills, with over **4 years** industry experience, a **1st class degree** in Internet Technology and a passion for the web.

Experience working in a client-facing position at a ~30 man **agency** environment, and at **Last.fm**, a startup that grew in to a **15+ million** user social-network, music catalogue and streaming site.

Skills

Expert Skills

Languages and technologies used for 5+ years

- HTML
- CSS
- Javascript
- Prototype
- OO-PHP 4/5
- Smarty
- PEAR
- Memcache
- MySQL
- PostgreSQL
- Apache
- Unix Systems

Other Experience

- Strong knowledge of **Web Security** issues, prevention and detection of SQL-Injection, XSS and CSRF.
- Interest in **Semantic Web**, Microformats, Maching Tagging and Social Graphing/Portability.
- Passion for promoting Accessibility, Usability and Progressive Enhancement techniques
- Experience working with; Thrift, jQuery, SQLite, REST Web Services. Some experience with Python.

Experience

[Last.fm](#) – Web Developer (June 2007 → Present)

A music social network, 25m+ daily page views, 15m+ registered users, translated to 12 languages

Work included front and back-end development, multi disciplinary, with a focus on scalability technology and interfaces, innovation, feature development and Agile methodology. Lead Developer on projects including; **homepage design**, **Music Manager** and **visual web radio**. Day-to-day challenges included **scalability**, geo-restrictions and **internationalisation**.

- Homepage redesign; A complete visual update, requiring high level browser compatibility and testing. Working with varied data sources to generate localised content and developing scaling strategies.
- Developed new visual web-radio experience involving; rapid prototyping, complex AJAX interactions, working closely

with interaction designer, executive team and advertising team to meet requirements.

- Built a complex suite of internal tools for our customer service and support teams, improving team efficiency
- Music Manager; Product used by 200k+ Artist & Label users upload and manage their content. Worked with a team developing a royalties scheme, which generated reports and payments for 100k Artists & Labels

Spring Digital – Senior Web Developer (Aug 2005 → June 2007)

30 person design agency in West London. Member of a 4 person development team.

Front-end development of **semantic** and **accessible** sites. Back-end development of bespoke **LAMP** content management systems. Able to flexibly switch between roles and tasks easily,

- Developing an **internal web app** that managed internal **projects and accounting**, used **daily by 20+ staff**
- Ran **code reviews** within the dev-team, focusing on code quality, **security** and documenting best practice and **coding standards**. Also worked with designers to **teach XHTML/CSS/JS** and improve the design process
- Built PHP **REST API** for an OpenLazlo application, heavy integration with **Amazon Web Services**

University of Portsmouth – Student (Sep 2002 → Jun 2005)

*Studied **Internet Technology BSc**, received a **First Class** degree with honours, top of class*

A 3 year course covering; Web Programming, Internet Applications, System Security, Network Administration, Distributed Systems, Network Design & Security, Multimedia Networks and Software Systems.

- Final year project; Investigation in to usage of **Web Syndication** systems. Built departmental News & RSS system, on Debian/Apache, using a custom OO-PHP5 MVC framework, Smarty and Mod Rewrite.

PureFM.com – Web Developer (May 2004 → Jul 2005)

University of Portsmouth Student Radio Station

Front end developer and designer in small team that built a brand new station website, new design, user management, schedule management and dedicated audio streaming hardware.

FFGurus.net – Web Developer (Aug 2000 → Sep 2003)

A large gaming website, with high traffic and a busy community

Unpaid administrator/site developer – Responsibilities included developing dynamic content (in PHP/MySQL), a complete HTML re-design and community management.