

Jo Carter

www.jocarter.co.uk/cv

Experienced and organised Engineering manager, team leader, technical architect and developer with expertise in Agile methodologies, Continuous Integration, and test-driven and domain-driven development for websites and APIs. Experienced in using PHPSpec, Behat and Symfony 2/3. Manager, mentor and coach; adept at picking up new concepts and skills quickly, and eager to learn new things.

KEY TECHNICAL SKILLS

- The Development Process including Agile Methodologies, TDD/ DDD and Continuous Integration
- Symfony 3, Symfony2, Symfony 1.0–1.4, with Doctrine
- PHP and SQL (MySQL)
- TDD and DDD with PhpSpec and Behat

EXPERIENCE

Consultant Engineering Manager and Tech Lead, Fifty Penguins in Fuzzy Socks Ltd (November 2017 – present)

Engineering Manager, MOO (June 2017 – November 2017)

Joint Development Team Leader, The Mill (November 2014 – June 2017)

Responsible for the whole project pipeline – requirements gathering, quoting, planning and architecting, writing technical and functional specifications, liaising with project owners, instructing and liaising with the UX and design team, managing the development team, testing and development, Continuous Integration, liaising with Sysadmins, deployment, maintenance and further phases of updates. I practiced both test-driven and domain-driven development, using PHPSpec, Behat and Symfony 2/3.

My team and I mainly worked on internal projects, which included developing a custom CRM; a custom solution for optimising the quoting pipeline for our 2D, 3D and design departments; an applicant tracking system with accompanying candidate microsite; an online annual review system for HR; and other internal integration projects. We also worked on a number of large external client projects, mainly on integrations and APIs for mobile applications and games, with some branching into VR.

I was directly responsible for managing several members of the development team, including coaching, mentoring and career path development. I was heavily involved in the recruitment process for new team members; through tech tests, interviews and hiring. I was part of the diversity and inclusion network within the Mill; and have enjoyed taking part in many training courses (detailed below).

Technical Lead, Holler Digital Ltd. (May 2014 – November 2014)

Senior Developer, Holler Digital Ltd. (September 2012 – May 2014)

Developer, Holler Digital Ltd. (January 2011 – September 2012)

Responsible for developing and styling new websites, microsities and Facebook applications (using Symfony 1.4 and Symfony2) for a variety of clients; including writing functional and technical specifications for projects. Also responsible for setting up live server environments with nginx and Apache2. I also contributed to several open source projects.

I was an integral part of the development team and responsible for mentoring other team members, leading projects and writing technical documentation.

Freelance Senior Developer, Albion London (December 2010 – January 2011)

Freelance Senior Developer, Skive (November 2010 – December 2010)

Developer, Pod1 Ltd. (June 2007 – September 2010)

Responsible for maintaining and developing a selection of e-commerce and content managed websites for a variety of clients primarily in the fashion and holiday industries; including proposing new solutions for existing clients, and writing functional and technical specifications for projects. Development in PHP5 (with MySQL), using both a custom framework solution and an open source framework, Symfony (with database abstraction using both Propel and Doctrine).

I was an integral part of both the agency and the development team and assumed the role of key "go-to" person (and the most requested) for anything related to Pod1's in-house CMS solutions. I also mentored both new starters and existing team members.

Developer, Mind Candy Design Ltd. (March 2006 – June 2007)

Responsible for maintaining and developing many websites used for Perplex City, an online alternate reality game (ARG); and a website used for the BBC Big Weekend ARG. Also involved in the alpha stages of the development for Moshi Monsters.

Developed several versions of perplexcity.com, a large online community site; using first XSLT/XML and JSP (RESTful Perl interface), and then JSP and custom Java tags with Hibernate. Additionally designed and developed a User Administration website for internal use by Customer Support; and a wayback archive in JSP for the sites from Perplex City Season 1.

Designed and developed a Store Locator in PHP and MySQL, which used the Google Maps API, and interfaced with a system which calculated the nearest stores to the entered location. Designed and developed a Puzzle Manager system which used JSP, custom Java tags, Hibernate and MySQL to store, manage, display and manipulate data entered for puzzles. Additionally developed a Content Management System (CMS) in JSP with MySQL; including custom JSP tags and Freemarker templates to display the data entered into the CMS.

Packrat Tools – Personal Project (packrattools.com) (2008 – present)

Developed a collection of tools using PHP5 for Packrat (a virtual social card collecting game). These include a MOO Sticker generator (using the MOO API); a market tracker, which uses a cron job that scrapes information from the site (with permission); an information tool, which displays recipes and market information for the cards; and a mockup generator. They have been received well by the Packrat community, and the developers of the game. My latest development on the site includes integration with a custom API developed for me personally by the new developers of the game to support the site.

4cities – Personal Project (cities.jocarter.co.uk) (2007)

Developed a collection of progress indicator tools using PHP5 and Prototype, for a massively multiplayer web-based online game called Cities (now offline). This was the winning entry for a competition for the tool that made the best use of the game's XML feeds (I won an extra soul in-game). It also integrated an external API, which provided the best prices for in-game items.

Part-time and Temporary work

- Bar Staff, The Chesterfield (Summer 2000 and 2001, Oct 2005 – Feb 2006)
- Medical secretarial work, Key Personnel and DK Associates (Summer 2004)
- Dispensing Assistant, Eye Check Opticians (Summer 2002)
- Bar Staff, Hand and Hart (Oct 2001 – Sept 2002)
- Optical Assistant, Boots Opticians (Summer 2001)
- Optical Assistant, Lancaster and Thorpe Opticians (June 1998 – Sept 2000)

EDUCATION

University of Nottingham (2000 – 2005)

MSc in Information Technology: **Distinction**

BA (Hons) Law with French: **II.ii** (3rd year at l'Université de Nantes, France)

Ashby Grammar School, Leicestershire (1996 – 2000)

'A' Levels: Mathematics (A) Computer Science (A) French (B) and German (B)

TRAINING AND COURSES.

The Mill and Working Voices (2014 – 2016) – The Art of Delegation, Unconscious Bias, Effective Meetings, Manager as Coach, Managing Your Mates, Recruiting, Annual Reviews, Leading Creatives, Conversational Judo, Commercial Awareness, Communicate to Collaborate, Public Speaking, Presentation Skills, Management 101, Own Your Time

MCSA via ICS (London) Career Path (2005 – 2006)

Learn Direct Management Course (2005) – Standard Operation, Kaizen, 5S & Skill Control

University of Nottingham Skillability Workshops (2002) – Communication, Negotiation, Leadership, Team Work, Presentation, Commercial Awareness and Time Management

SKILLS

- Experienced Symfony developer (Symfony 3, Symfony 2, Symfony 1.0–1.4, Doctrine, Propel) – since 2008
- Experience with domain and test-driven development with PhpSpec, Behat and PHPUnit
- Experienced technical architect and PHP developer
- Experience with continuous integration with Ant, Jenkins and Amazon Web Services
- Experience with development processes and Agile Methodologies
- Experienced database designer, developer and SQL programmer (MySQL)
- Experience with source control systems (Git and SVN)
- Experience with setting up and configuring *nix servers with nginx (LEMP Stack)
- Experience with web development (Twig, CSS/SCSS, JavaScript, XSLT/XML, XHTML) – with an emphasis on accessibility and UX
- Writing technical documentation, identifying security considerations, user interface and experience design
- Manager, mentor and coach; adept at picking up new skills quickly, and eager to learn new things

POSITIONS OF RESPONSIBILITY AND VOLUNTEER WORK

PHP Conference (London) (2016) – Part of the Mentorship program

Volunteer on the Xbox LIVE Support and Enforcement Teams (May 2012 – November 2014)

University of Nottingham (January 2004 – September 2005) – Representative on the Student-Staff Consultative Committee (MSc in IT), IT Officer on the Student Union Societies Executive Committee

LiveJournal.com Customer Support (January 2003 – January 2005) – Volunteer support help, trainer and mentor on Technical Support Team and member of the French translation team for technical documentation

OTHER INTERESTS

- One of the Hosts on the Home Movie Club podcast, part of the That Podcast Thing network
- Streaming video games regularly on Mixer
- Computer games, achievement hunting, photography, reading, puzzles, ARGs: a self-confessed geek
- Swimming (Gold Survival, Life Support 2 First Aid and Merit Lifesaving Award)
- Arts and Crafts: watercolour painting, cross-stitch, tapestry, FIMO modelling
- Music (ABRSM Grade 5 Theory and Flute, and Grade 3 Piano)
- Blood Donor (and on Bone Marrow Donation Registry) (2000 – present)
- Clean UK Driving Licence