

Curriculum Vitae for Edward Kelly

Home address: 5 Eagle Close, Wokingham, Berkshire. RG41 3YZ

Telephone: 07598 923 139

E-mail: me@edkelly.co.uk

Website: <http://www.edkelly.co.uk>

Driving licence: Full, clean.

Employment History

PHP Team Lead, Hooplo. Bracknell, Berks. January 2011 – present.

- Led a team of 3 PHP developers, reporting to the CTO; delegated tasks to team members and guided them through the development process. Provided technical support at every level.
- Designed and developed a bespoke in-house framework using the Kohana MVC framework for the quick prototyping and creation of Facebook applications.
- Developed a number of simple Facebook applications aimed at children through from the specification phase to the final live deployment. Gained a deep knowledge of the OAuth 2.0 authentication implementation and the quirks of developing using the Facebook Graph API and FQL API.
- Helped support a user base of one million daily unique users across multiple Facebook applications and websites through quality control checks on code, ensuring SQL statements were made as efficient as possible and Apache and MySQL configurations were durable enough to handle a large load.
- Designed and developed a logging system using Nagios and a bespoke PHP API to help when debugging application errors and to alert developers when an application became unstable.
- Restructured the department's work methodology by implementing a QA check policy, development environment structure, a robust code deployment mechanism and a database schema versioning system.
- Became versed in using the Scrum and Kanban development methodologies.

Senior web developer, Theme Group. Woodley, Berks. February 2010 – January 2011.

- Jointly led a team in the creation of numerous websites, content management system modules, web applications, eCommerce solutions, front-end designs and user interfaces for clients including DHL, Royal Holloway University, Bang & Olufsen and Volleyball England. Worked day-to-day with PHP4/5, MySQL, Prototype.js, XHTML, CSS and the Linux CLI. Gained a deep understanding of PHP4/5.
- Designed a full technical specification for and helped develop a new in-house content management system in object-oriented PHP5 (incorporating numerous design patterns), MySQL, HTML5, CSS3 and jQuery. Designed and implemented a full database schema from the ground up. Provided technical input at every level.
- Helped educate colleagues in standards-compliant HTML, CSS, PHP, design patterns and good coding practices. Became versed in what is necessary to be a good teacher, how to apply good teaching techniques and how to make people feel most comfortable when learning technical theory.
- Assisted in running client training for an in-house content management system.
- Maintained a mission-critical mail server, file server, database server, version control server and print server.

Web developer, Nine Four Limited. Bracknell, Berks. June 2009 – February 2010.

- Worked with the ExpressionEngine CMS, Code Ignitor PHP framework, jQuery, CSS and HTML to produce client websites based on high-level specifications and requirements. Set-up and administered numerous Linux servers to requirements.
- Designed and developed numerous modules, extensions and plugins for the ExpressionEngine CMS platform including an extensive survey module, document repository module, bug tracker module, team collaboration module and a follower module with 'Twitter-like' functionality.
- Also worked with and developed a single sign-on intranet with Active Directory integration.
- Quickly learnt skills in dealing with clients, designers and other developers and learning from them.
- Worked from home so self-motivation was highly important.
- Helped the company achieve gold accreditation from the Recommended Agency Register (<http://www.agencyregister.co.uk>).

Web developer, Edgeofmyseat.com. Maidenhead, Berks. June 2008 – April 2009

- Developed a bespoke bug tracker aimed at web developers which strongly enforced "Getting Things Done" principles as part of the University of Exeter's Computer Science student placement scheme.
- Wrote code which utilised 37signal's Basecamp API, the Google Charts API, the Paypal API and Amazon S3 using PHP5, MySQL, jQuery, Prototype.js and Python.
- Gained valuable experience in a professional development environment using tools such as Subversion, Eclipse, in-house testing and evaluation methods, code libraries and LAMP and MAMP server stacks.
- Gained a very strong real-world grounding in core web development languages and techniques including object-oriented PHP5, Ajax, jQuery, CSS, XHTML and SQL and Linux server administration including MySQL/MSSQL, mail servers, file servers and print servers.

Education

University of Exeter, Computer Science. Second Class Honours, Upper Division (2:1), September 2006 – June 2009.

Subject areas studied include:

- Java Programming
- Aspects of Artificial Intelligence
- The Systems Level (Unix)
- Information Systems (Unix)
- Media Computing
- Formal Notations & Methods
- Social & Professional Issues
- Foundations of Computer Science
- Computer Databases and SQL
- Graphics
- Web Programming
- Team Development
- Scientific Computing
- Communication Systems
- Symbolic Artificial Intelligence
- Bioinformatics
- Nature-inspired Computation
- Enterprise Computing
- Further Programming (C++ & Java)
- Commercial and Industrial Placement

Obtained skills in adherence to good coding practices, extending knowledge to

development in other programming languages including Python, communicating with other developers when working in a team and delivering presentations. Worked well on my own and developed my natural motivation. Set my own deadlines and managed my time successfully. Completed numerous coursework assignments to deadlines, including the development of an evolutionary algorithm in Python and a distributed application in Java and CORBA. Became extremely experienced in the every-day use of Linux-based operating systems including Ubuntu, CentOS and Debian, and Linux server administration.

Third year dissertation was entitled "Usability, User Interfaces and Front-end Design of Web Applications" which achieved a first class grade (71%). Third year development project was entitled "Designing and Developing a Web-based, Drag-and-drop Website Creator Application" (Dragpad) which also achieved a first class grade (72%). Dissertation was research based and led to the reading and understanding of background material written by usability pioneers such as Jakob Nielsen, Steve Krug and Kristine Faulkner. Project was development based and included background research, formal specifications, wireframes, UML and database schema diagrams and logic flow explanations.

Portfolio

A selection of examples of the projects I have worked on can be found on my personal website, <http://www.edkelly.co.uk>.

Other Skills and Interests

- Volunteer for Oxfam at music festivals. Shift leader at Oxfam Wokingham.
- Enthusiastic and quick learner. Enjoy challenges and possess a determination to succeed.
- Keeping abreast of technological advances and contributing to online discussions.
- Conversational French.
- Philosophy and psychology, particularly at a personal level.
- Keen guitar player. Performed in two bands including a live cover band for a year.
- Avid supporter of Reading Football Club and season ticket holder.

References

Available upon request.