

Paul Baker

Reading, Berks, RG5

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I am a Senior Software Designer and Developer with almost twenty years of experience. I enjoy solving problems creatively, and have a particular interest in good, common-sense UI/UX design. I am a self-motivated, adaptable individual who can work alone as effectively as with a productive team. I can quickly learn new technologies as and when required.

Skills and Experience

- Creative problem solving.
 - UI/UX design, including business graphic design.
 - Web design and implementation.
 - Web services design and implementation.
 - Object oriented design and implementation.
 - Database design and implementation.
 - Agile expertise (Scrum Master role).
 - **Languages and Frameworks:** HTML, JavaScript (Angular, jQuery, React), CSS, PHP, Python, Core Java, Java EE, SQL, PL/SQL, ReST, SOAP, XML, XSLT, Objective-C, Cocos2d.
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Employment

Paycircle

Reading

Partner and Web Developer

Dec 2019 - current

Working as part of a small team to implement Paycircle, a cloud-based platform for payroll.

- Implementation of a set of applications for user-friendly payroll administration and processing. Creating originally using AngularJS, migrating to Angular.io
- Migration of AngularJS components to reusable Angular.io libraries.
- Design and implementation of a custom WordPress API in PHP for in-app Help and Support.
- Creation of Python scripts for source code analysis.

Emapsite

Farnborough

Lead Web Developer

Jun 2018 – Aug 2019

Working as part of a small team to redesign and implement a suite of online mapping software.

- Designed and implemented Mapshop, an online application for the definition and purchase of custom maps, using Angular 6 with txjs and redux.
- Created a library of Angular widgets and services for reuse across emapsite web applications.

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Employment (cont.) **Kahootz** **Newbury**
Senior Software Engineer **Feb 2017 - May 2018**

Working in a small team of developers to enhance and maintain software-as-a-service collaboration tools.

- Implemented an Office Online integration, creating ReST web services to integrate with WOPI (Web Application Open Platform Interface) clients, to allow inline creation and editing of Microsoft Office documents.
- Enhanced UI and UX across web applications, including creation of bespoke JQuery UI widgets.

Cisco Systems **Reading**
Senior Software Engineer **Sept 2011 - Nov 2015**

I was part of a small team involved in the design and implementation of a next generation, web-based OSS.

- Acted as Scrum Master in an Agile development environment.
- Specialised in the user interface aspects of the new OSS product. This was built using JavaScript and the Dojo framework.
- Designed and implemented custom Dojo widgets to display data, in particular a complete, reusable Gantt chart component with automatic scaling and the ability to view several charts simultaneously.
- Assisted in the design and development of every part of the software stack, including ReST web services, Oracle database PL/SQL interfaces and supporting database objects.
- Created a framework for the display and organisation of multiple modules within a single web page to cater for different user roles.
- Updated and maintained legacy native Windows applications, and created a full installer for them.

Comptel (formerley Axiom Systems) **Reading**
Consultant Developer **Oct 2006 - Sept 2011**

I was involved with various teams and projects, largely with the UI/UX aspects of Comptel's product suite, providing OSS for the telecoms industry.

- Acted as Scrum Master in an Agile development environment.
- Worked on the Active Catalog product, for the design and ordering of network offerings. This was an Eclipse application that communicated with a WebLogic layer using SOAP, supported by an Oracle database.
- As part of a small team, I helped to design and implement an inventory system for telecoms companies to track equipment globally. The client was built using Flex and Actionscript. The back end consisted of an EJB and servlet API over an Oracle database.
- I assisted in the design and implementation of components for the upload and activation of network equipment for enabling technologies such as DSL (Broadband), VOIP, IPTV and IPVPN. These generally relied on XSL scripts which used Java extension classes to communicate with network devices.

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Employment **Edge IPK** **Newbury**
(contd.) **Senior Developer** **Feb 2006 - Oct 2006**

Edge IPK produced edgeConnect, an IDE to enable the rapid development of enterprise web applications, primarily targeted at the financial sector.

- Formed part of a small team based at Liverpool Victoria's offices in Bournemouth to design and produce a new home and car insurance website.

Elsevier MDL **Camberley**
Consultant / Senior Software Engineer **Oct 2000 - Feb 2006**

Elsevier MDL developed scientific software for the pharmaceutical industry. Initially I worked as a consultant, then later moved into software engineering.

- I designed, and led a small team to implement, an online searchable pharmacological literature reference work, xPharm. The product is based on a Java servlet architecture, with an Oracle XDB for storage. Content is stored in XML and transformed on demand to HTML using XSLT.
- Designed and implemented bespoke chemical registration and tracking systems, using a combination of in-house, Windows (VB, VB.NET) and Oracle technology. Worked closely with customers to gather requirements. Customers ranged from major pharmaceutical companies to startup biotechs.
- Troubleshooted customer issues across Europe, usually on-site.

Projects

After leaving Cisco in 2015, I worked on the following projects of my own:

Flipzyx **Nov 2015 - Oct 2016**

Flipzyx is an iOS game, currently available for iPhone, iPad and iPod Touch. I designed the game and almost all of the required graphics, and developed it using Xcode and Objective-C with the Cocos2d framework. You can see it at www.flipzyx.co.uk.

Toot Street **Nov 2015 – May 2016**

Toot Street is a messaging system for drivers. The original idea belongs to a friend, who asked me to write the iOS app. I also worked on the backend, which uses ColdFusion and MySQL.

Claudia Riccio Photography Ltd. **2013, 2015, 2017**

I designed and created a website specifically for one of my wife's major clients which enabled them to search and download product images. I implemented this using PHP 5, jQuery and MySQL. I also created websites for my wife's business (www.claudiaricciophotography.co.uk) using jQuery, and again, later, with WordPress.

Education **City University** **London**
MSc Computer Science **1995 - 1996**
The University Of Sussex **Brighton**
BSc (Hons) Chemistry **1989 - 1992**

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