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As a software engineer with fifteen years professional experience, I have had the opportunity to work with many different people and with many different tools and technologies. Most recently I have worked as part of a small team helping to provide custom solutions and data transformations within a JMS environment.

Employment

Reed Business Information	September 2016–. . .
British Airways	January 2015–June 2015, November 2015–January 2016
Adaptris Ltd	March 2014–September 2016

SOFTWARE ENGINEER/CONSULTANT

Tool/Technologies
> JMS, Gradle, Docker, GWT, BouncyCastle, ADAPT

Languages
> Java, C#/.NET, MySQL, Javascript (including jQuery), JSON

Environments
> AWS, J2EE, GNU/Linux, Windows

Projects
> Interlok and its optional components, Realtime Passenger Information System

At Adaptris—and subsequently RBI—I was involved in many aspects of the software development process, both as part of a team and individually. Work ranged from working on core components of Interlok, such as a rewrite of the internal cryptographic API and the multiple host redundancy failover, to standalone projects such Xapper, the web-based (GWT) XML-XSLT mapper.

In addition, I was in charge of mentoring our graduate engineers, bringing them to up speed with Interlok as well as honing development skills.

Whilst at British Airways I was part of the consultancy team that not only provided Interlok integration for BA, but also helped to prototype the backend of a new passenger notification system.

Medidata Solutions Worldwide	January 2012–February 2014

SOFTWARE ENGINEER

Tool/Technologies
> Rails, Cucumber, jQuery

Languages
> Java, Ruby, Cuke, MySQL, Shell Script, Javascript, Velocity, XML

Environments
> J2EE, GNU/Linux, OS X

Projects
> Clinical Trial Management System, EDC/CTMS Integration, Test Automation

Whilst at Medidata Solutions I worked as a member of an agile scrum team in various different roles as necessary to progress our understanding as a whole. My team was involved with one of Medidata's most important projects through-out 2012: the integration of their home-grown EDC (Electronic Data Capture) system and a newly acquired CTMS (Clinical Trial Management System). It was a fantastic opportunity to grow as an engineer, increasing my existing knowledge of both Java and MySQL, in addition to learning new technologies such as Ruby and Cucumber. Initially I used Ruby alongside Cuke for automation testing (of which I was the leading engineer, often attending conferences and relaying information back to the rest of the team).

Applied Card Technologies Ltd.   August 2007–December 2011
SOFTWARE ENGINEER

Tools/Technologies
    GWT, OpenCV Image Library, Twain, OpenSSL, Glassfish, Tomcat
Languages
    C, Java, Oracle SQL/MySQL, JavaScript
Environments
    J2EE, Win32, WinCE, GNU/Linux, Unicapt32, Telium/Telicapt
Projects
    Embedded Financial Applications, Web Applications/Services, Webserver, Image Processing

Throughout my time at ACT I worked as part of a small team, whose primary project was a contactless, cashless, payment system, aimed at the low-value transaction market, and was successful in schools and on university campuses as a way of eliminating the need for students to carry cash. The two components of this system were the low-level, terminal application, and the backend, which processed transactions, keeps records, and provides a web service interface for customers and merchants to keep track of their accounts.

I was also involved in all aspects of our projects lifecycle. This includes regular design and roadmap meetings with the customer, in addition to writing and reviewing design documentation and following this through to release notes, and customer support as needed.

Education

University of Exeter   October 2003–June 2007
COMPUTER SCIENCE BSc (HONS)

Personal

As a way to further my programming knowledge I occasionally work on a handful of software projects, most of which have been released as Free Software. My hope was that while I continue to expand my abilities down an avenue that interests me personally, I might be able to provide somebody with a tool or an application which they may find useful.

These projects include a multi-platform file encryption application, and a FUSE–based Steganographic File System, which has evolved out of my final year university project.

Further details are available online primarily at https://albinoloverats.net, as well as https://github.com/albinoloverats.

Some of my hobbies include skiing/snowboarding, running, cycling, travelling, and Formula 1.