

ANDY BERRY

SUMMARY

- o A competent Software Engineer with 6 years commercial experience, working in and leading Agile teams ranging from 3 to 10 Engineers, using Scrum, Test Driven Development and Pair Programming.
- o Day to day experience writing product source code; Unit & Acceptance tests; and writing and maintaining build scripts & infrastructure.
- o Significant exposure Third Line Support supporting customers while working on the support team.
- o A capable team member and team lead with experience leading a small team of Release Engineers and as Iteration & Technical Lead for a development team.
- o Extensive experience leading a remote team having worked remotely since late 2012.
- o Significant achievements include the design and development of a new JavaScript WebApp development framework & testing environment (Caplin's BladeRunner); future Open Sourcing of BladeRunnerJS, design and implementation of a highly reliable build system with a focus for developer productivity & feedback; and maintenance & improvement of a Continuous Integration system and supporting infrastructure including the use of Chef to fully automate the deployment and monitoring of build machines.

KEY TECHNOLOGIES

- o Development : Java (incl. JSP, Servlets & Filters), JavaScript, HTML5, CSS, NodeJS, PHP, Python, SQL, Shell Scripting
- o Toolkits & Frameworks : Knockout, jQuery, exposure to Angular and other MV* frameworks
- o Build Technologies and Servers : Grunt, Gradle, Ant, Maven
- o Version Control : Git, Subversion, Perforce
- o Continuous Integration Tools : Travis, Artifactory, Jenkins, ThoughtWorks GO
- o Operating Systems : OSX, Linux, Windows
- o VM Hosting and Infrastructure : Amazon AWS (incl. EC2, CloudFront, S3, Route 53 & RDS), VirtualBox, VMWare VSphere, VMWare Fusion, Parallels, Chef, Apache, MySQL, Varnish, Tomcat
- o Methodologies : Agile, Scrum, Test Driven Development, Behaviour Driven Development, Pair Programming, Continuous Integration, Continuous Delivery & Continuous Deployment

TECHNICAL COMPETENCIES

- o Strong Java, HTML5, JavaScript and CSS development skills.
- o Proficient in writing Unit Tests, Acceptance Tests and Integration Tests.
- o Commercial experience working in Agile teams practicing Scrum, using Continuous Integration and Continuous Deployment.
- o Exposure to developing high performant, scalable web applications and websites.
- o Strong build and Continuous Integration knowledge including the use of Gradle to implement a complex Java and JavaScript build.
- o Competent in gathering and developing requirements for projects from small websites to a large Software Development kit.
- o Competent in design and architecture, including the use of UML diagrams and data flow diagrams, having assisted in the design and architecture of a new WebApp development framework.
- o Experience developing Joomla and Wordpress templates and plugins.
- o Proficient in configuring Apache, MySQL and Varnish servers.
- o Experience in managing a VMWare ESXi server and configuration of VMWare VSphere virtual machines.
- o Experience using Chef to manage virtual machines and install the necessary tools for build slaves and production servers.
- o Familiarity with Amazon AWS, including EC2; CloudFront; S3; Route 53; & RDS, to host several websites and web services.

TRAINING AND DEVELOPMENT

- o Completed the Scrum Alliance Certified Scrum Master course (2012).
- o Attended a 3 day leadership and management course (2012) while leading a team, covering topics such as Appraisals; Coaching, Disciplinary Meetings & Staff Motivation.
- o Undertook an intensive two day workshop (2010) delivered by IBM consultants and architects covering practical and professional aspects of developing IT architecture.
- o Attended several workshops and training sessions including Jason Goreman's Test Driven Development and Object Oriented Design.

CAREER OVERVIEW

Aug 2010 to Present | Caplin Systems Ltd, London (www.caplin.com)

Senior Software Engineer; Technical Lead | March 2012 to Present; June 2015 to Present

Currently Iteration & Technical Lead on a project to Open Source *BladeRunnerJS*, a development toolkit and framework for building large scale WebApps. Working with a small team of developers, responsible for the development of new features; the writing and maintaining of Unit and Acceptance tests for both the 'server' side Java and client side JavaScript libraries and tooling; and the writing and maintenance of the build scripts and automation tooling and infrastructure. As technical lead responsible for the technical architecture and overseeing other developers on the team. As Iteration Lead responsible for ensuring the smooth running of the team, & the project; organising retrospectives; and standup's and Sprint demos.

Previously lead Caplin's Release Engineering team, responsible for designing and implementing a new build infrastructure to allow the future Release Engineering team to easily automate the deployment and provisioning of new build machines. This involved using VMWare to host virtual machines and Chef to manage the install of the necessary tooling. In addition to this the Release Engineering team provides on-going support to development teams and the business. Responsibilities included requirements analysis and gathering; developing the project plan; ensuring high risk areas are spiked and de-risked; & organising team retrospectives and daily stand-ups.

Graduate; Junior; & Mid Level Software Engineer | Aug 2010 to Feb 2011; Feb 2011 to Sept 2011; Sept 2011 to March 2012

Worked through a graduate programme moving through several different areas of software engineering including development; testing; pre-sales; support and release engineering.

Development : Responsible for improving existing JavaScript libraries and financial trading Software Development Kit.

Testing : Implemented Acceptance tests for JavaScript libraries, SL.NET applications and iOS apps.

Support : Worked as part of the support team providing third line support to developers including diagnosing bugs and suggesting workaround or point fixes until a permanent fix code be delivered.

Release Engineering : Improved the existing build and CI infrastructure increasing reliability, speed and developer feedback.

Following completion of the graduate programme joined a development team working on client side development, financial trading and WebApp JavaScript libraries and a Caplin's financial trading WebApp Software Development Kit. The key developer maintaining the build and automation for the build, testing and release of the SDK. Significant work included implementing a new Given-When-Then testing framework and a new JavaScript Model-View-ViewModel (MVVM) framework. Voluntarily provided development support to the marketing team maintaining the company development blog.

Worked as one of the more senior members of a development team implementing a new HTML5 WebApp development framework (BladeRunner), written in Java and JavaScript, developing features such as a Unit Test and Acceptance Test execution tool (using Js-Test-Driver); automatic JavaScript, XML and HTML code bundlers; WebApp export functionality; and a development Application Server based on Jetty. During this project I independently designed and developed the Gradle build focusing on developer productivity & feedback and providing the team with Continuous Integration and Continuous Deployment allowing fully automated releases within a two hour time period.

Oct 2009 to Present | TimelessTime Ltd, Lewes, Sussex (www.timelesstime.co.uk)

IT Manager & Web Developer (Voluntary)

Designed, implemented and maintain a company website, blog and members area for a management consultancy. Developing online tools, Wordpress themes and plugins and ensuring high availability of the website using Varnish, Apache, PHP and MySQL. Setup a VMWare ESXi server to host the website and supporting services and recently lead a project to move from Joomla to Wordpress and migrate the server to Amazon Web Services to ensure higher availability.

Jun 2009 to Aug 2009 | SCRAN, Edinburgh (www.scran.ac.uk)

Web Developer (Voluntary)

Worked with a team of 3 Web Developers responsible for locating and fixing system flaws, developing small areas of the system and enhancing existing features. Significant work involved independantly developing a new social bookmarking solution; developing a solution to generate one time URLs and secure video streaming solution; and improving website performance.

Summers 2004 to 2009 | Ardingly Activity Centre, Ardingly, Sussex | Sailing Instructor to Senior Instructor

Summers 2005 to 2009 | Beaulieu River Sailing Club, Beaulieu, Hampshire | Sailing Instructor to Senior Instructor

ACADEMIC OVERVIEW

2006 - 2010 | University of Glasgow

Bachelor of Science (with Honours) in Computer Science

Modules topics covered include:

- o Software Development Processes
- o Databases and Distributed Systems
- o Communication Technology
- o IT Architecture
- o Interactive Systems
- o Algorithmics
- o Operating Systems
- o Enterprise Computing
- o Human Computer Interaction
- o Networked Systems
- o Computer Architecture
- o Security & Cryptography

Final Year University Project & Dissertation, *Teaching Tool Management System: Generating A Web Front End*, awarded Grade A.

2004 - 2006 | Sussex Downs Sixth Form College | 'A' level studies

OTHER DETAILS, EXPERIENCE AND ACHIEVEMENTS

- o Member of The British Computer Society and The Institution of Engineering and Technology.
- o Holds a current St Andrews Emergency First Aid at work certificate.
- o An RYA coastal dinghy sailing instructor, holding Coastal Senior Dinghy Instructors Certificate with Advanced Instructor Endorsement allowing management of a sail training centre.
- o Hobbies include coastal & dinghy sailing, scuba diving, mountain walking, skiing, saxophone, home brewing and cooking.
- o Current clean driving licence.
- o British Citizen and passport holder.

PERSONAL DETAILS

Location : [Stirling, Scotland](#)
Web : www.andy-berry.co.uk
Email : [andyberry88 A.T gmail.com](mailto:andyberry88.A.T@gmail.com)
LinkedIn : uk.linkedin.com/in/andyberry88
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