

ANDY BERRY

A competent Software Engineer and Technical Lead with experience in web technologies, working in an Agile environment, with a passion for design and architecture; Object Oriented Development; build automation; and Continuous Delivery.

SUMMARY

- A competent Software Engineer with 10 years commercial experience, working in and leading Agile teams ranging from 3 to 10 Engineers, using Scrum; Test Driven Development; and Pair Programming.
- Day-to-day experience writing product source code; unit & acceptance tests; and writing & maintaining build scripts & infrastructure.
- Experience in client-side and server-side Technical Architecture for complex SAAS platforms.
- A capable team member and team lead with experience leading a small team of Release Engineers; Development Team; and Scrum Master. More recently Chief Technical Officer for an Edinburgh-based start-up & Principal Engineer at an Edinburgh based scale-up.
- Experience as an Engineering Line Manager and career coach

KEY TECHNOLOGIES

- Development : JavaScript (incl. ES2016), HTML5, CSS3, LESS, SASS, PHP, Java, NodeJS, Python, SQL
- Toolkits & Frameworks : React, Ember, Laravel, Knockout, jQuery,
- Build Technologies and Servers : Grunt, Gulp, Gradle, Ant, Maven
- Version Control : Git, Subversion, Perforce
- Continuous Integration Tools : Travis, Artifactory, Jenkins, ThoughtWorks GO
- Hosting & Infrastructure : Amazon AWS (incl. EC2, ECS, CloudFront, S3, Route 53, ElastiCache & RDS), Docker, Chef, Ansible, Apache, Nginx, MySQL, Varnish, Tomcat, Redis
- Methodologies : Agile, Scrum, Kanban, Test Driven Development, Behaviour Driven Development, Pair Programming, Continuous Integration, Continuous Delivery & Continuous Deployment

TECHNICAL COMPETENCIES

- Strong development skills using JavaScript, HTML5, CSS3, Java & Python among other technologies.
- Proficient in writing Unit Tests, Acceptance Tests and Integration Tests.
- Commercial experience working in Agile teams practicing Scrum, using Continuous Integration and Continuous Deployment.
- Experience developing & managing highly performant, redundant, scalable web applications and websites.
- Strong build and Continuous Integration knowledge including the use of Gradle to implement a complex Java and JavaScript build.
- Competent in gathering and developing requirements for projects from small websites to a large Software Development kit & a complex SAAS platform.
- Competent in design and architecture, including experience in system architecture.
- Proficient in configuring & deploying Apache, MySQL, Varnish and PHP-FPM servers including configuration for load balancing & fail-over.
- Experience in managing ESXi and AWS cloud-based virtual machines and infrastructure including Docker containers.
- 4 years experience with Amazon AWS, including EC2; CloudFront; S3; Route 53; & RDS, to host several websites and web services.
- Experience using Docker containers to implement an immutable infrastructure and deployment pipeline.

TRAINING AND DEVELOPMENT

- o Participated in several workshops run by Entrepreneurial Spark aimed at business leaders starting, or running, a small business (2016).
- 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 Gorman's Test Driven Development and Object Oriented Design.

CAREER OVERVIEW

Oct 2017 to Present | Mudano, Edinburgh

Principal Engineer | Oct 2018 to Present

In addition to the responsibilities as Technical Architect, responsibilities as Principal Engineer included leading the product team in good engineering practices & principles; overseeing the development of Mudano's software across the entire product team; and line managing several engineers.

Technical Architect | Oct 2017 to Oct 2018

Responsible for all technical architecture and design within one of Mudano's development teams in addition to technical leadership and expertise within that development team. Also contributed more widely to the technical architecture across the product team.

Significant achievements include fundamentally changing how developers at Mudano approach testing & component based development; and leading the architecture, infrastructure & technical design for a new version of Mudano's flagship product.

Dec 2015 to Oct 2017 | Agency Core, Edinburgh

Chief Technology Officer / Principal Software Engineer

Responsible for all development, maintenance, hosting & support for a Software as a Service (SAAS) single page app targeted at digital agencies.

Major projects to date include migrating all of the existing infrastructure to Amazon Web Services, using Docker to ensure the development environment mirrors production, and a large refactor of the existing codebase and architecture.

Oct 2009 to Present TimelessTime Ltd, Brighton

IT Manager & Web Developer (Voluntary)

Designed, implemented and maintain a company website, blog and members area for a business and HR management consultancy. Developing online tools, making website updates as required and ensuring an, as near as possible, 100% uptime. Recently lead a project to migrate from a legacy Wordpress codebase to a custom HTML5/CSS3 Ember & Contentful driven solution.

March 2012 to Dec 2015 | Caplin Systems Ltd, London

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

Technical Lead on the Open Source project 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 of the codebase and overseeing other developers on the team. As Iteration Lead responsible for ensuring the smooth running of the team and project; organising retrospectives, 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; provisioning and monitoring of new build machines. In addition to this, the Release Engineering team provided on-going support and consultancy 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.

Aug 2010 to March 2012 | Caplin Systems Ltd, London

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

Following completion of a 6 month graduate programme, joined a development team working on client-side development, financial trading JavaScript libraries and Caplin's financial trading WebApp Software Development Kit.

Became the senior member of a development team implementing a new HTML5 WebApp development framework (BladeRunnerJS). Developed features such as a Unit Test and Acceptance Test execution tool; automatic JavaScript, XML and HTML dependency analysis and bundling tools; and a development application server based on Jetty. 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.

Jun 2009 to Aug 2009 SCRAN, Edinburgh

Web Developer (Voluntary)

ACADEMIC OVERVIEW

2006 - 2010 University of Glasgow | Bachelor of Science (with Honours) in Computer Science

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

OTHER DETAILS, EXPERIENCE & ACHIEVEMENTS

- o Member of The British Computer Society and The Institution of Engineering and Technology.
- o Holds a current Emergency First Aid at work certificate.
- o A qualified RYA advanced coastal dinghy sailing instructor, allowing management of a sail training centre and responsibility of all activities on the water.
- o Current clean driving licence.
- o British citizen and passport holder.

PERSONAL DETAILS

Location:	Edinburgh, Scotland	LinkedIn	uk.linkedin.com/in/andyberry88
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