

JONATHAN AIREY

www.jonathanairey.com / jon.airey@gmail.com / Skype: jon.airey

PERSONAL PROFILE

An enthusiastic and highly motivated software engineer working with of Java, Kotlin, Groovy, C#, PHP and Python.

TECHNICAL SKILLS

Programming Languages	Java, Kotlin, Groovy, C#, C++, PHP, Python
Front End / Web Languages	React, Angular, TypeScript, JQuery, JavaScript, CSS, HTML, JSP, GSP
Architecture	Event Driven, Microservices, REST, Web Services, SOAP
Relational Databases	Aurora, Microsoft SQL Server, MySQL, PostgreSQL, Oracle PL/SQL, IBM DB2
NoSQL Databases	MongoDB, Microsoft Cosmos DB, Firebase
Development Environments	macOS, Linux, Windows
Web/Container Frameworks	Spring Boot, Spring, Dropwizard, Grails, Tomcat, SAP Hybris, ElasticPath
Testing Frameworks	JUnit, AssertJ, REST Assured, Cucumber, Mockito, PowerMock, PowerMockito, Geb, Spock, SonarQube, FindBugs, PMD, xUnit
Cloud Infrastructure	AWS, GCP, Microsoft Azure, S3, RDS, SNS, SQS, Rackspace
Cloud Technologies	Kubernetes, Docker, Ansible
Build/CI Tools	Jenkins, TeamCity, Bamboo, GoCD, Nexus, Artifactory, Git, SVN, Maven, Gradle
Performance Tools	JMeter, VisualVM, JProfiler
Other Technology	Lombok, Hystrix, Jackson, Hibernate, Solr, TDD, Agile, Scrum, Kanban, Waterfall

EMPLOYMENT

Nov 2019-date | Rocket Lawyer www.rocketlawyer.com Contract Lead Engineer (London, UK)

Jul 2019-Nov 2019 | European Bank for Reconstruction and Development (EBRD) www.ebrd.com

Contract Backend Engineer (London, UK)

Working on an operation effectiveness and efficiency (OE&E) transformation project for bankers. Tasks included:

- Developing and extending various Java Spring Boot microservices in an agile product team
- Working closely with product, data and QA in analysing requirements and producing good quality solutions
- Provide technical expertise and suggestions for improvement of current system
- Supporting offshore team in code improvements during peer review stage
- Leading Sprint Demos to the wider project; the three cross-functional teams and management

Languages/Technologies: Java, Spring Boot, Apache Tomcat, Lombok, Hystrix, Gradle, REST, HTTP, WireMock, REST-assured, Microsoft Azure, Microsoft Azure Service Bus, Microsoft Cosmos DB, Microsoft SQL Server, Microservice Architecture, Event Driven Architecture, Liquibase, MongoDB, Angular, TypeScript, Node, JavaScript, Jenkins, SonarQube, TDD, Version One, Confluence, Grafana, Git, IntelliJ IDEA, VSCode, Swagger, Kubernetes, Docker, JIRA, Postman, Trello, Slack

Dec 2018-Jun 2019 | Booking.com www.booking.com Contract Senior Backend Engineer (London, UK)

Working on a greenfield project to provide public transport tickets with hotel bookings via booking.com. Tasks included:

- Design and scope MVP solution using microservices and event driven design components on a greenfield project
- Working closely with booking.com and rentalcars.com teams in Amsterdam and Manchester, including product, engineering, solution architecture, user experience, customer service, supply, finance and legal
- Developing search service of the backend system in Java Spring Boot and the frontend system, written in React
- Leading retrospectives and engineering maturity meetings

Languages/Technologies: Java, Kotlin, Spring Boot, Apache Tomcat, Gradle, Apache Maven, REST, HTTP, WireMock, REST-assured, AWS, Microservice Architecture, Event Driven Architecture, MySQL, Flyway, React, Node, JavaScript, GoCD, Selenium, SonarQube, TDD, JIRA, Confluence, Grafana, Git, IntelliJ IDEA, VSCode, Swagger, Kubernetes, Docker, Apache Kafka, EC2, GCP, Postman, Trello, Slack

Apr 2018-Nov 2018 | Charlotte Tilbury www.charlottetilbury.com Contract Senior Java Engineer (London, UK)

Working in an internal development team, using eCommerce system ElasticPath. Tasks included:

- Replatforming Magento website platform to a new system using ElasticPath
- Working at various levels, including architecture planning, low level design, estimation, and development tasks
- Leading a backend team of developers, ranging from junior to senior level

- Integrating with NetSuite for order processing and financial reporting via Boomi HTTP web service

Languages/Technologies: Java, Spring Boot, Lombok, ElasticPath, Apache Maven, Cucumber, MySQL, Liquibase, SOAP, ElasticPath, Elasticsearch, Apache Tomcat, Git, TeamCity, IntelliJ IDEA, AWS, EC2, JIRA, Confluence, Slack

Apr 2017-Apr 2018 | Open Reply / Berry Bros & Rudd www.bbr.com Contract Senior Java Developer (London, UK)
Working in a consultancy Open Reply for the client Berry Bros & Rudd. Website was built with SAP Hybris. Tasks included:

- Amending WorldPay payment service integration to allow customer service agents to save new customer cards
- Performance analysis using VisualVM, estimating work required and performing the code changes
- Integrating Hybris platform with new SAP system via Mule, replacing two mainframe systems
- Working on low level design, estimation and development tasks for Sales Order in the migration project

Languages/Technologies: Java, Spring, SAP Hybris, MySQL, HTTP, SOAP, Elasticsearch, Apache Tomcat, VisualVM, Git, Bamboo, Postman, IntelliJ IDEA, JIRA, Confluence, Slack

Apr 2015-Apr 2017 | Rapha (Solutions Architect / Senior Java Engineer) www.rapha.cc (London, UK)
Working in an internal development team that have in the past depended on consultancy companies. Rapha transitioned to bringing most of the development and experience in house. Tasks included:

- Developing with Hybris Commerce Suite 5.0, 5.4, 5.7 and now 6.2 using many OOTB and custom extensions.
- Liaising with internal stakeholders, scoping requirements of website enhancements to suit business needs.
- Following Scrum Methodology, breaking down work into Epics and User Stories.
- Assisting Product Owners in creating User Stories for development team and holding weekly Estimation sessions.
- Designing high level technical Epics and assigning to development team, managing work in 2-week sprints.
- Analysing code using New Relic, JMeter and SonarLint for performance improvements.
- Moved team from SVN to Git, reduced release process from 2-month releases to weekly releases using Git Flow.
- Creating automated CI and build/deploy process using Git, Jenkins, Gradle and Ansible.

Languages/Technologies: Java, Spring, Hibernate, Hybris, SQL Server, MySQL, SOAP, JavaScript, JQuery, CSS, HTML, Geb, JUnit, Mockito, JMeter, SonarLint, Elasticsearch, Apache Tomcat, Apache HTTP Server, Git, SVN, Jenkins, JRebel, IntelliJ IDEA, JIRA, Confluence, Slack

Nov 2013-Mar 2017 | Online Skate School (Director) www.onlineskateschool.com (London, UK)
Set up a small business with 3 friends that provided online Ice-Skating tutorial videos. Created the website using Grails and Twitter Bootstrap running in CentOS, later moving everything to AWS EC2. Strong use of BDD throughout. Tasks included:

- Designing and developing www.onlineskateschool.com
- Analysing and breaking down business requirements
- Following "The Lean Startup" methodologies and creating Minimum Viable Product (MVP) strategies

Languages/Technologies: Groovy, Grails, JQuery, Javascript, CSS, Twitter Bootstrap, Apache Tomcat, Apache HTTP Server, MySQL, Jenkins, Yum, GGTS, IntelliJ IDEA, AWS, EC2, Elastic Beanstalk, RDS, S3

Mar 2014-Apr 2015 | Powa Technologies www.powa.com Technical Lead / Senior Java Engineer (London, UK)
Working on Automation team as a Technical Lead and worked on the AIM team as a Senior Java Engineer. AIM is a platform Powa has created for PowaTag. Tasks include:

- Building automated testing suite for AIM and End to End automated regression testing
- Acting as Technical Development Lead for Automation team, working with offshore team members
- Designing and implementing AIM, a web service layer to integrate shops with the app PowaTag
- Implementing cartridges for AIM. These include eCommerce platforms and payment service providers
- Working with 3rd party software vendors in UK and overseas that create AIM cartridges
- Working closely with the business, QA and DevOps to enhance AIM capabilities
- Strong use of BDD and TDD for all software development

Languages/Technologies: Java, Spring, Hibernate, Dropwizard, Jetty, JUnit, Mockito, PowerMock, PostgreSQL, Apache Maven, SoapUI, WireMock, REST-assured, AWS, EC2, ELB, IntelliJ IDEA, pgAdmin, Jenkins, Bamboo, Nexus, JIRA, Confluence, Stash, Bitbucket, Git

Nov 2012-Mar 2014 | Digital Morphosis www.digital-morphosis.com Software Developer) (Cardiff, UK)

Worked as a developer for multiple clients such as British Athletics, Company Check, Graham & Brown and Connevens. All client projects are website applications and agile practices are used throughout, including behaviour driven development, feature driven development, pair programming and continuous integration. Notable projects included:

- British Athletics uBook system - www.ubookathletics.com

The website allows users (e.g. coaches, athletes) to book on to various courses, qualifications and event. Roles in this project include developing as well as writing specifications, making cost/time estimates, support, testing, and project management. One of the tasks I was involved with was to allow these courses to be payable. We integrated Sagepay into the online booking system to make this functionality. This was written with Yii frontend and RESTful ASP.NET MVC web services to integrate with their existing SQL Server database.

- British Athletics Members and Secretaries portal

This website allows members to view and amend their details and secretaries to manage their clubs. One of my tasks was to design and create an online payment system for secretaries to manage and record all subscription payments for their affiliated clubs. This was written with ASP.NET MVC and shared the RESTful web services with the uBook system integrating again with their existing SQL Server database.

- Developing other new software using Java and Grails as part of business requirements for other clients such as Graham & Brown and Connevens

Languages/Technologies: Java, Spring, Hibernate, Groovy, Grails, Ant, PHP, Yii, C#, ASP.NET MVC, JavaScript, JQuery, CSS, HTML, JUnit, JMock, Mockito, NUnit, PHPUnit, AWS, EC2, SQS, SNS, S3, Eclipse, Apache Tomcat, Apache HTTP Server, Microsoft SQL Server Management Studio, IIS, Git, SVN, Jenkins, FindBugs, PMD

Jan 2012-Oct 2012 | Santia Consulting Ltd (Applications Analyst) (Cardiff, UK)

Working on erisk, Santia's online Health and Safety management system and accreditation, Santia's online accreditation management system. Both systems were accessed by clients through a web front end.

Tasks included:

- Writing a document downloading/uploading tool for users via web services using SOAP and WSDL
- Writing an Excel and PDF generation framework for creating on the fly MI reports for users
- Developing other new software as part of business requirements
- Analysing and overlooking existing software systems, making development improvements where necessary
- Performance improvements
- Liaising with business analysts and system users to analyse and refine client requirements
- Analysing and fixing production defects
- Designing and writing unit tests to cover new and changed code
- Briefing test teams on the content of releases to ensure correct and thorough testing

Languages/Technologies: Java, Spring, Hibernate, JSP, Servlets, JavaScript, JQuery, SOAP, JSTL, CSS, HTTP, HTML, JUnit, JMock, Mockito, Microsoft SQL Server, IBM DB2, JExcel, iText, Eclipse IBM RAD, IBM WebSphere Application Server, Microsoft SQL Server Management Studio, IBM DB2 Control Center, FireBug, SVN, JIRA, Jenkins, FindBugs, PMD

May 2010-Dec 2011 | FIS Software (Developer) (Cardiff, UK)

Working as a developer on the C++ Business Layer of ALIS, FIS Software's life insurance and pensions software package. Worked with clients such as Scottish Widows, AXA, Bright Grey and Unum.

Tasks included:

- Liaising with business analysts to analyse and refine client requirements
- Producing and implementing Technical Design Specifications for new functionality using the waterfall and UML
- Developing new software as part of business requirements
- Analysing and fixing production defects
- Making performance improvements using system profiling tools
- Briefing test teams on the content of releases to ensure correct and thorough testing
- Adhering to CMMI Level 3 processes and procedures

Languages/Technologies: C++, Java, Oracle PL/SQL, Microsoft SQL Server, Visual Basic, XML, UML, UNIX, DOS, MFC, Microsoft Visual Studio, Microsoft SQL Server Management Studio, SQL Developer, Rational ClearCase, Rational ClearQuest, IBM WebSphere MQ, COM, Microsoft Visio

Summer 2008 | INUK Networks (Java Software Engineer) (Abercynon, UK)

Working as a summer intern, I developed two web-based applications independently, including pair programming tasks and larger scale team collaboration. These included developing a browser based remote server log viewer and a fully editable browser-based admin tool that managed “network zones” from a remote location via web services.

Languages/Technologies: Java, JSF, JSP, SOAP, UML, XML, HTML, CSS, HTTP protocol, Servlets, Portlets, JavaBeans, JavaScript, Eclipse, JBoss Portlet Server, JBoss Server, Apache Tomcat, soapUI, FireBug, Wiki, SVN

2005-2010 | ASDA Wal-Mart Coryton (Delicatessen Colleague) (Cardiff, UK)**Summer 2004 | SEWOCN (Open College Network)** (Data Input Clerk) (Treforest, UK)**CERTIFICATIONS**

Oracle Certified Associate, Java SE 7 Programmer – Completed

EDUCATION

2006-2010 | Cardiff University, Computer Science (BSc)

PERSONAL INTERESTS AND PROJECTS

I enjoy programming in my free time as well as learning new languages and technologies. I am also interested in reading around wider software development areas as well as following the latest software blogs and attending local tech meetups.

COMPUTER LANGUAGES

Strong working experience and knowledge and of Java, Kotlin, Groovy, Python, C#, C++, PHP, Spring Boot, Spring, JavaScript, CSS and SQL. Driven to learn any new programming languages, technologies, toolkits and development paradigms.

OTHER INTERESTS

A keen triathlete who enjoys competing and keeping fit. I have completed an Ironman event and raced for GB in the European Champs in Olympic distance triathlon. Currently doing lots of swimming, training for some competitions.

ADDITIONAL INFORMATION

Full, clean driving license; References available on request.