## Wayne Bagguley

**Personal Profile**

First-class, motivated, technically diverse, highly intelligent individual with over 19 years of software design and development experience. Experienced in the full development lifecycle using agile methodologies. Dedicated, hardworking and able to work well collaboratively or individually when required. Work well under pressure and able to meet tight deadlines. Fast learner, forward thinking, passionate about DevOps and Agile. Excellent analytical and problem-solving skills and a strong desire to innovate.

## Skills and Attributes Summary

* 1st Class Computer Science Degree – University of Manchester
* Systems Design. Development. Agile. DevOps. Java. Azure. AWS. Netty. Docker. Harbor. Puppet. Gradle. Groovy. Jenkins. Nexus. ElasticSearch. Kibana. Logstash. SearchGuard. Git. Bitbucket. JIRA. IntelliJ. CouchDB. NATS. Linux. CentOS. JUnit. Mockito. MariaDB. JSON. XML. YAML.

## Experience and Achievements

**Apr ’19 – Oct ‘19 System Design and Development – Resonate Ltd (Independent Contractor)**

A senior Java developer designing and implementing new features on a safety-related software system for the railways. Making use of multiple technologies including message queues, webservices and Spring. Continuous integration was achieved using Azure DevOps, Docker and AWS services. Collaboration and Agile methodology made use of Slack, Confluence and Azure DevOps.

**Oct ’15 – Mar ‘19 System Design and Development – FCO Services (Independent Contractor)**

The initial project was a technology uplift of an existing system to use newer Java libraries and technologies including JBoss WildFly, Hibernate, JPA, IceFaces, JSF, Drools, MariaDB and Centos 7.

After the successful completion of this project I was tasked with the design and development of a greenfield project. This used Java as the implementation language together with CouchDB, Centos 7, NATS Message Bus, Netty, Google Guava and Junit. As the technical lead, I introduced and pioneered the use of Groovy and Gradle in replacement of Maven as a build tool which has reaped many benefits and have written custom plug-ins to aid with the build and release process. I participated in customer meetings to provide technical guidance, discuss requirements, technical clarifications and progress updates.

Once the initial product was deployed and stable, we focussed more on DevOps aspects of our delivery and have made use of Puppet, Docker and Harbor. In addition to this, I have also worked on creating an ELK cluster for our system monitoring and reporting and have implemented a SearchGuard solution for authentication and authorisation, integrating with LDAP/AD.

We took an Agile approach to development, having daily stand-ups and regular sprint planning sessions. We use tools such as IntelliJ IDEA, Bitbucket (GIT), JIRA, Confluence, Jenkins, Nexus and SonarQube in our development.

**Aug ’11 – Sep ‘15 Senior Developer – Atos**

Technical lead on several projects providing implementation as well as guidance, advice and mentoring to less experienced team members in order to raise quality and standards. A wide-ranging role involving new software development projects as well as the support and maintenance of newly delivered projects combined with the design and implementation of new features driven by customer requirements. The use of agile techniques and approaches has allowed us to be extremely flexible to the customer’s changing requirements and has ensured that the end-product delivery closely matches customer expectations. The aim of continuously improving processes, procedures and all aspects of delivery has allowed us to drive up the quality of our offering to the customer. In this role I have mainly been using Java, Apache Camel, Spring, ActiveMQ, Qpid, Oracle and various JEE technologies in a TDD environment.

**Feb ’11 – Aug ’11 Senior Developer RR Donnelley**

In this role I was the lead designer/developer for a system to interface with Barclays systems to manage the enforcement of their data retention policy. This involved regular meetings and discussions with their architects and business analysts to design a Java based solution.

**Apr ’08 – Feb ’11 Senior Developer – Atos Origin**

This senior role has given me experience of working on large projects involving technologies such as SOA and ESB on very large datasets using Oracle databases. It has also allowed me to develop my mentoring and team-leading skills and has given me very good experience in customer-facing roles.

I pioneered the use of the JBoss Seam framework on numerous projects, mentoring several developers, both junior and senior. I played an active role in investigating and selecting new technologies and regularly presented my choices in the development community meetings.

I worked on a high-profile SOA project to implement a distributed services architecture using IBM Message Broker that was used as a platform for the customer's future technology strategy. In this role I was leading a team of three developers and acted as the principal Java developer on the project; implementing core system components and interfacing directly with the customer on a technical level. I also assisted the project manager with producing documentation and presentations that would be shown to non-technical people at management level. I received an excellent assessment for my work on this project from both the project manager and the delivery director.

**Aug ’06 – Apr ’08 Senior Java Consultant – Altran CIS**

A varied and challenging customer-facing consultancy role involving application architecture and development, testing, rapid prototyping for proof-of-concept, installations and support.

Technical lead for EudraCT, a pan-European clinical trials application system for the European Medicines Agency. Utilising Oracle, Java and Struts to deliver several use-cases to a tight timescale.

Architect and developer of DQEM, a Document Query Event Manager used by Cambridge Antibody Technology and Tube Lines to augment their Document Management system, Documentum.

**Sep ‘03 – Aug ’06 Senior Developer – Auto Trader Digital**

Technical lead on an internationally outsourced development project. Co-ordinated offshore development activities with on-site work. Reviewed and approved functional specifications, technical specifications and implementation.

Lead developer of a high-profile, scalable, multi-million-pound project that was the centrepiece of the company’s strategy, generating over a third of their revenue.

Involved in the entire project life-cycle from discussing business requirements, creating and reviewing functional specifications, technical design, use-cases, sequence diagrams, unit tests, and documentation as well as performing implementation and providing post-deployment support.

Worked on back-end server systems using Java, J2EE, Oracle, Eclipse, Borland Together Architect, Tomcat, JBoss, Apache, Log4j, Axis, XDoclet and JDBC to implement important server applications and web-services. Implemented web-based administration tools using J2EE, JSP, Struts and JDBC to enable the Customer Care department to perform support duties.

Mentored junior members of the team, raising their development standards and system knowledge. Performed regular code reviews to ensure high product quality. Involved in the process of recruiting and interviewing new developers. Produced architectural designs using UML and design patterns at both high and low levels and communicated these to the relevant parties. Interacted with many different departments including QA, creative design, operations, projects and customer care to ensure that all aspects of the project are communicated effectively at the correct level of detail and at the correct time.

**Oct ‘02 – Sep ‘03 Personal Development**

Having been made redundant I decided to concentrate on finishing home renovation. I kept my programming skills up to date by reading white-papers and specifications and working through tutorials and examples. I also spent significant time learning new skills such as Jakarta Struts and JSP 2.0.

**Oct 2000 - Oct ‘02 Software Engineer - Logical Applications Integration**

Lead technical developer of a web-based content management system which allowed users with no HTML knowledge and no design experience to maintain, manage and publish intricate web sites quickly and easily.

Developed in J2EE using Enterprise Java Beans, Servlets, XML and JMS with an applet front-end. Deployment was performed on JBoss and WebSphere. Class diagrams and interactions were illustrated using UML. EJB training was received from QA.

I oversaw the implementation of the back-end part of the system. I authored entity beans, session beans, servlets, XML processors, sections of the applet GUI, JMS messaging and unit tests. I maintained technical documentation and monitored the implementation performed by other developers. I provided technical advice at both high-level and low-level design stages.

**Jul ‘98 - Sep 2000 Software Engineer - ProAct International Ltd**

Key team member researching and developing leading-edge business process modelling and execution software.

**Sep ‘97 - Jun ‘98 Computer Systems Engineer - Flexsys Rubber Chemicals Ltd**

Supported and maintained an AS/400, supported the access control system, deployed Windows NT PCs to over 100 employees.

## Education

**1994 – 1997 University of Manchester**

1st Class BSc Honours Degree in Computer Science

**1987 – 1994 Dinas Bran Secondary School, Llangollen**

**A Levels** Physics (A) Mathematics (A)

**AS Levels** Computing (A) Electronics (B)

**GCSEs** 10 including English, Maths and Science