Jamie D. Pitts

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First-class honours Computer Science graduate from the University of Birmingham. Experienced in Java and AWS, has effective team-working skills, and is highly motivated to develop clean-coded, efficient software, whilst utilising the latest technologies.

Personal Information

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21 November 1992

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Education

2016–present	**MSc Software Engineering and Internet Architecture, University of Bradford** Part time degree which I am studying alongside my current job. Modules studied include: Advanced Database Systems, Cyber Security and Data Mining.
2011–2014	**BSc (Hons) in Artificial Intelligence & Computer Science 1:1 (First), University of Birmingham** First class classification in first, second, and third years, achieving a final average of 80% across all years. Modules studied include: Machine Learning, Logic Programming and Intelligent Robotics.
2009–2011	**Sixth Form - Fearnhill Mathematics & Computing College** A Level: Mathematics (A), Computing (A), Physics (B) AS Level: Further Mathematics (A)
2004–2009	**Fearnhill Mathematics & Computing College** GCSEs: 9 A*'s and 3 A's including Maths and English

Work Experience

2016–present	**Software Engineer at British Broadcasting Corporation** Software engineer working on the back-end systems for News. The team is responsible for a number of products, including; election systems, and the BBC's News mobile application back end. Our services are primarily developed for the cloud, making heavy use of Amazon Web Services. Most code is written using Java, using technologies such as Spring, and Apache (Camel, TomCat) to create highly scalable RESTful services. We work largely in an agile environment, with daily stand ups and fortnightly sprints. As a small team we have direct contact with the business analysts, and the product team, so we can influence and discuss how to make our software as great as possible - whilst still meeting the required functionality.

I have had experience in mentoring and training new graduate placement members of the team, helping grow their skills from little to no enterprise software experience, to writing and deploying production code. I have also led our teams transition to a new CI flow, making use of JenkinsFile pipelines, and Docker containers, to allow for a more efficient and simpler way of getting our code deployed.

Notable projects I have worked on:

◇ Sitemap Generator: A cloud based system to generate, and keep updated sitemaps for all content available across the BBC, with the aim to increase SEO. Makes heavy use of a PostgreSQL database, along with AWS lambda functions to keep the sitemap files constantly up to date. Acted as technical lead; designing the architecture, working with product managers to gather requirements, and leading the development of the software.

◇ Elections: Results service that allows for the ingestion of raw data, persisting, transforming, and enriching it to the required JSON structure for the front-end website. It also provides a RESTful service and admin client for journalists to modify result data. Elections include the 2017 General Election, and the 2016 US Presidential Election.

◇ Onward Journeys Recommendations: A cloud based RESTful API service consisting of multiple Spring Boot micro-service components running on AWS EC2 instances to provide recommendations to a user as to which articles they would most be interested in depending on the current article they are viewing. Uses multiple levels of caching to provide a reliable service capable of handling thousands of requests per second.

2014–2016	**Graduate Developer at British Broadcasting Corporation** Various software development roles, rotating around various areas of the corporation, allowing me to experience different software systems and to learn new skills. Teams worked on: ◇ News Back End Systems: Developing the cloud-based back end system that processes all data used by online and red button for the BBC's General Election 2015 coverage ◇ News Apps: Team set up to create and maintain the BBC news mobile applications. I worked as part of the Android development team, where I created and integrated Android Wear functionality into the main app, and also helped to fix bugs, and add features on to the main app. ◇ iSite: Internal CMS system used for storing content of the various BBC web pages. Worked on maintaining the existing code base; both on the front end and back end systems. Made improvements and provided out of hours support to the cloud-based 'Tool Authentication' system, which allows for BBC staff to log into tools based websites off the BBC network.
2010–2014	**Customer Advisor at Argos** Working at different positions in the store, including; till work, stock picking, customer service, handing out catalogues, and deliveries.
2006–2008	**Student ICT Technician (Volunteer)** Helping students and staff with any computer related problems, general computer maintenance.

Technical Skills

Android, Amazon Web Services, Cucumber, Git, Gradle, Java, Jenkins, JUnit, LaTeX, Maven, MySQL, PostgreSQL, RESTful APIs, Spring, Unix, XQuery

Achievements, Hobbies, and Interests

- BBC Recognition Award - General Election 2015: Special recognition award for work done on the general election 2015 project
- Achieved best GCSE and AS results in my school year
- Strong passion for music; attend many concerts and festivals each year. In university, I was in both the rock and metal societies for which I attended weekly meet-ups
- Have a shared ownership with a horse, which I ride and look after on a regular basis
- Learnt the basics of flying an aeroplane whilst in Air Cadets
- An interest in space and space exploration
- Enjoy watching football; I am a fan member of a Premier League football team, and so attend the stadium frequently to watch matches

References

References available upon request.