

## Experience:

### CGI - Java Developer (& Scrum Master)

09/18 - present

Mostly SC cleared work modernising confidential systems.

Helped build internal member management tool using Spring Boot & Hibernate including API design and database structure. Took AWS training for Associate Developer course. Implemented this on a personal website using cloudfront, codebuild, codepipeline, s3.

### Gamesys Ltd - Java Developer (& Scrum Master)

07/17 - 08/18

Time critical integration with 3rd party payment APIs. Reducing security risk and modernising legacy microservices by Dockerising, and moving to Kubernetes. Adding and updating RESTful endpoints for regulatory requirements. Presenting to stakeholders fortnightly in novel ways such as iMovie.

### Gamesys Ltd - Graduate Software Engineer

08/2015 - 07/17

The program involved rotations exposure across a multinational highly diverse company, from the deliverable product to their data processing. It was invaluable experience working in an agile environment focused on continuous improvement. Teams varied between using scrum and kanban methodologies as appropriate.

#### • Member Team: 08/15-01/16

Developing and maintaining in house CRM systems, using TDD and BDD (cucumber tests) to build RESTful micro-services that interact with MySQL and graph based Neo4j databases.

Involved in the design stage of the companies regulatory compliant Anti-Money Laundering system.

#### • Games Studios: 01/16 - 07/16

Developed a slot game that is one of the most used across Gamesys ventures. Working closely with designers and other stakeholders to ensure the product was a success.

#### • Data Warehouse: 07/16 - 12/16

Individual project working with PPC marketing team to connect with the AdWords API to help drive automated bidding. Results saw large increase in click conversions and removed hours of weekly work for the PPC team.

Spiked Big Data processing for the company, building data flows with Google Cloud.

#### • Cashier Team: 12/16 - 07/17

Continued to build on the Big Data epic and got compensation events running through the cloud on live and test environments.

Created data presentations in my spare time using google data studio connected to the live streamed data in Google's BigQuery.

writing Ansible DevOps scripts to improve the areas continuous delivery.

### Sick Cover Ltd - Product Owner (Startup)

10/15 - 07/17

Helped manage the backlog and write user stories for the app. Also involved in sales and meeting clients at conferences to gain insights into improvements for the app.

### CompScience Team Project (University Project making a Cafe Automation) - Team Lead/Scrum Master

02/2014

Roles included: Appropriately allocating tasks to the scrum team; running scrum meetings; offering assistance to those with problems (code and team related) and ensuring the team followed a test driven design process.

## Technical Skills:

**Tools:** Jira, Confluence, Github, UNIX, OSX, Adobe Photoshop, AWS, GCP, BigQuery, Dataflow, Google Datastudio, Docker, Ansible

**Technical Languages/Frameworks:** Java (OCA Java 8 Qualified), groovy, html5, CSS, javascript, SQL, React, Spring

**Interests:** Marketing, economics, football, swimming, skiing, piano, travelling, pub sports and aspiring paraglider

## Education:

### BSc Computer Science and Mathematics - Royal Holloway, University of London

2012 - 2015

- **1<sup>st</sup> Year:** Object Oriented Programming, Mathematical Structures, Machine Fundamentals, Calculus, Functions Of Several Variables, Number Systems, Matrix Algebra
- **2<sup>nd</sup> Year:** Software Engineering, Team Project, Algorithms and Complexity 1, Probability, Graphs and Optimisation, Linear Algebra and a Group Project, Rings and Factorisation
- **3<sup>rd</sup> Year:** Cipher Systems, Information Security, Bioinformatics, Functional Programming and Applications, Non-linear Dynamic Systems, Groups and Group Actions, Vector Analysis and Fluids,
- **Project:** A Study in Human-Computer Interaction

**Classification Attained:** 2:1

### Bournemouth Grammar School

2005 - 2012

#### A-Levels

- Design Technology A
- Economics C
- Mathematics B

#### GCSE

- 1 A\* 6As, 3Bs