



## ABOUT ME

- Software Engineer with a keen interest in process improvement and working closely with those around me.
- Flourishing interest in Data Science & Analytics and helping organisations find insight from their Data.
- Commercial experience with C# (ASP.NET), Python (Flask & SQLAlchemy), JS & TS (Angular & React).
- Lecturer in a wide range of technical materials in the field of Software Engineering at Degree level.
- Advocate of Lean processes and my thinking is heavily influenced by the Toyota Production System.
- Highly numerate. Creative and Intelligent thinker. Confident and Highly Motivated Individual.
- Continually developing new skills and keeping up with technological advancements.
- Currently studying Data Science, Technology and Innovation (MSc) at the University of Edinburgh.

## EMPLOYMENT

<b>Data Engineer (Team Lead)</b>	<b>Codeweavers</b>	<b>Jan 2019-Present</b>
<ul style="list-style-type: none"><li>• Leading a team of Data Engineers and Data Analysts to find insight in Codeweavers Data.</li><li>• Architecting and building a new platform for Codeweavers Analytics (Snowplow, Google Cloud Platform).</li><li>• Building a new Customer Portal for Analytics powered by a embedded Looker.</li><li>• Architected a site wide Snowplow implementation on Volvo Ecommerce <a href="https://buy.volvocars.co.uk/">https://buy.volvocars.co.uk/</a>.</li><li>• Working closely with Product Owners to ensure a clear product vision is delivered to our customers.</li></ul>		
<b>Full Stack Software Engineer</b>	<b>Codeweavers</b>	<b>Jul 2018-Jan 2019</b>
<ul style="list-style-type: none"><li>• Building new APIs and features across the entire Codeweavers Platform in C# and Angular.</li><li>• Work on a team to create the API and Data layers for Part Exchange services.</li><li>• Implemented new APIs and UI in the Showroom application for Jaguar Land Rover Vehicle Suggestions.</li></ul>		
<b>Hero Engineer</b>	<b>Hotjar</b>	<b>Oct 2017-Jul 2018</b>
<ul style="list-style-type: none"><li>• Software Development on the Hotjar Platform and Internal Tools.<ul style="list-style-type: none"><li>- Python (Flask, SQLAlchemy), JavaScript (React, Redux), Mercurial, PostgreSQL and Docker</li></ul></li><li>• Supporting Customer Experience teams by building internal tooling.</li><li>• Investigating Hotjar users site configurations to enable better Hotjar experiences.</li><li>• Identifying and fixing bugs and issues in the Hotjar Platform.</li><li>• Supporting Customer Success teams with technical product demonstrations.</li><li>• Helping improve Agile processes and thinking across all Hotjar teams.</li></ul>		
<b>Academy Leader</b>	<b>Codeweavers</b>	<b>July 2015-Oct 2017</b>
<ul style="list-style-type: none"><li>• Pairing with developers writing C# &amp; JavaScript to share good programming practices.</li><li>• Agile Coaching and Mentoring across Development, Client Support and Operations teams.</li><li>• Training and development of new recruits and existing team members.</li><li>• Working closely with developers and others in the business to design and deliver a wide range of courses.</li><li>• Building strong relationships with local educational establishments.</li></ul>		
<b>Lecturer in SE &amp; Games Programming</b>	<b>Staffordshire University</b>	<b>Nov 2012-July 2015</b>
<ul style="list-style-type: none"><li>• Led and taught on several varied Software Engineering and Games Programming modules.</li><li>• Teaching topics such as Mobile &amp; Game Engine Architecture, Design Patterns, Parallel Programming.</li><li>• 1-on-1 supervision of several Final Year Student projects in a variety of areas.</li><li>• Fellow of the Higher Education Academy.</li><li>• Awarded Individual Excellence in Teaching and Learning Support at Celebrating Staff Success 2014.</li></ul>		
<b>Software Developer</b>	<b>Premier Software Solutions</b>	<b>Feb 2012-Oct 2012</b>
<ul style="list-style-type: none"><li>• Developed large scale enterprise software using C# and MSSQL for the Spa &amp; Wellness industry.</li></ul>		
<b>Graduate Systems Engineer</b>	<b>Capula Ltd</b>	<b>July 2011-Feb 2012</b>
<ul style="list-style-type: none"><li>• Utilities department, large scale SCADA replacement programme using C#, MSSQL and Wonderware.</li></ul>		

## EDUCATION

*2018-Est. 2023 University of Edinburgh*

**Data Science, Technology and Innovation (Online Learning) MSc – Currently studying**

A flexible online programme covering a range of disciplines within the field of Data Science. Taught by schools from across the University of Edinburgh in the sciences, medicine, arts and humanities.

*2013-2014 Staffordshire University*

**Higher and Professional Education PgCert – Merit**

Focused on enhancing student learning and the range of strategies we might use to meet their needs.

*2007-2011 Staffordshire University*

**Computer Games Programming (Sandwich) BSc (Hons) – First Class**

**Achieved an average score of 14.125 (94.2%) across all modules.**

This award is focused on developing software engineering skills relevant to computer games. It explores a number of languages, especially C++ and C#.

*2005-2007 St Marys College, Blackburn*

**A Levels:** Computing (A), Maths (A), Further Maths (B), Physics (C) **AS Levels:** Critical Thinking (C)

*2000-2005 St John Fisher and Thomas More R.C. High School, Colne*

**GCSEs:** Maths (A), Science (AA), English (A), P.E. (A), R.E. (A), Applied ICT (BB), English Lit. (B), Spanish (C)

## RELEVANT SKILLS

### *Conference Speaking*

- Spoken on a range of topics, generally around Agile practices at conference around the UK.
- Agile on the Beach 2016, Agile Manchester 2017, Agile Cambridge 2017, NorDevCon 2019.
- My first conference talk at Agile on Beach 2016 is available online: <http://bit.ly/pbAgile2016>.

### *Programming Skills*

- Proficient in C#, SQL, JavaScript, Python, R and C++.
- Commercial exposure to C#, JavaScript, Python, SQL and NoSQL databases.
- Analytical & BI experience with Snowplow, Google Analytics, Google BigQuery and Looker.
- Web development experience using AngularJS, React, ASP.NET Core and MVC, HTML & CSS.

### *Development Methodologies*

- Strong appreciation for software development methods, particularly agile (Kanban, XP & SCRUM).
- Knowledge of UML, ERM, Use Case and other software design techniques.
- Deep understanding of Atlassian Jira having administrated Jira at Hotjar and Codeweavers.

### *Teaching Skills*

- Experience in delivering a wide range of material from very theoretical to hands on software dev.
- Used to dealing with individuals of mixed skillsets and adapting the level of teaching to suit.

### *Team and Communication Skills*

- Enjoy working as part of a team. Confident to give feedback and offer suggestions to my team.
- Experience with personal tutoring and building close relationships with individuals.

## OTHER INTERESTS

I like to spend my time keeping up with what's happening in the world, from multiple news sources. I also enjoy spending time on Reddit browsing a variety of subreddits such as r/ft86, r/webdev, r/datascience, r/soccer and r/formula1. I enjoy heading out on my Mountain Bike, living near the beautiful Cannock Chase makes it even more worthwhile. I recently renovated the majority of my house from the bedrooms to the kitchen and I'm now onto the Gardens, although I often find myself studying towards my master's degree in the evenings or watching Netflix with my wife.