



ABOUT ME

- Software & Data Engineer with an interest in process improvement and working closely with those around me.
- Commercial experience with C#, Python, TypeScript (Angular & React), PostgreSQL, MSSQL & Cassandra.
- Flourishing interest in Data Science & Analytics and helping organisations find insight from their Data.
- Commercial experience with Snowplow Analytics, Looker BI & Google Cloud Platform (inc. BigQuery).
- Team Lead and Coach with a focus on building trust and listening to the needs of individuals and the team.
- 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.
- Currently studying Data Science, Technology and Innovation (MSc) at the University of Edinburgh.

EMPLOYMENT

Data Engineer (Team Lead)

Codeweavers

Jan 2019-Present

- Leading a team of Data Engineers and Data Analysts to find insight in Codeweavers Data.
- Architecting and building a new platform for Codeweavers Analytics (Snowplow, Google Cloud Platform).
- Building a new Customer Portal for Analytics powered by embedded Looker.
- Architected a site wide Snowplow implementation on Volvo Ecommerce <https://buy.volvocars.co.uk/>.
- Working closely with Product Owners to ensure a clear product vision is delivered to our customers.

Full Stack Software Engineer

Codeweavers

Jul 2018-Jan 2019

- Building new APIs and features across the entire Codeweavers Platform in C# and Angular.
- Work on a team to create the API and Data layers for Part Exchange services.
- Implemented new APIs and UI in the Showroom application for Jaguar Land Rover Vehicle Suggestions.

Hero Engineer (Software Engineer)

Hotjar

Oct 2017-Jul 2018

- Software Development on the Hotjar Platform and Internal Tools.
 - Python (Flask, SQLAlchemy), JavaScript (React, Redux), Mercurial, PostgreSQL and Docker
- Supporting Customer Experience teams by building internal tooling.
- Investigating Hotjar users site configurations to enable better Hotjar experiences.
- Identifying and fixing bugs and issues in the Hotjar Platform.
- Supporting Customer Success teams with technical product demonstrations.
- Helping improve Agile processes and thinking across all Hotjar teams.

Academy Leader

Codeweavers

July 2015-Oct 2017

- Pairing with developers writing C# & JavaScript to share good programming practices.
- Agile Coaching and Mentoring across Development, Client Support and Operations teams.
- Training and development of new recruits and existing team members.
- Working closely with developers and others in the business to design and deliver a wide range of courses.
- Building strong relationships with local educational establishments.

Lecturer in SE & Games Programming

Staffordshire University

Nov 2012-July 2015

- Led and taught on several varied Software Engineering and Games Programming modules.
- Utilised Microsoft Azure as a platform for hosting
- Teaching topics such as Mobile & Game Engine Architecture, Design Patterns, Parallel Programming.
- 1-on-1 supervision of several Final Year Student projects in a variety of areas.
- Awarded Individual Excellence in Teaching and Learning Support at Celebrating Staff Success 2014.

Software Developer

Premier Software Solutions

Feb 2012-Oct 2012

- Developed large scale enterprise software using C# and MSSQL for the Spa & Wellness industry.

Graduate Systems Engineer

Capula Ltd

July 2011-Feb 2012

- Utilities department, large scale SCADA replacement programme using C#, MSSQL and Wonderware.

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.

2000-2007 St Marys College, Blackburn & St John Fisher and Thomas More R.C. High School, Colne

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

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.
- Including 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>.

Software Engineering Skills

- Proficient in C#, SQL, JavaScript, TypeScript, Python, R, Java and C++.
- Commercial exposure to C#, JavaScript, TypeScript, Python, Git, SVN, Mercurial, Vagrant & Docker.
- Commercial web development experience using Angular, React, ASP.NET Core and MVC, HTML & CSS.

Data Engineering Skills

- Analytical & BI experience with Snowplow, Google Analytics, Google BigQuery and Looker.
- Commercial database experience with SQL (PostgreSQL, MS SQL) and NoSQL (Cassandra).
- Fundamental understanding of Hadoop, HDFS, Amazon RedShift & Apache Spark.

Leadership and Communication Skills

- Thrive when working collaboratively as part of a team. We work better when we work together.
- Capable listener and confident to give feedback and offer suggestions to my team.
- Experienced at personal tutoring and building close relationships with individuals.

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.

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.