

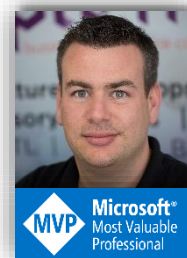
# Paul Andrew

Solution Lead | Data Architect | Engineer | Technical Ambassador

**LinkedIn:** [uk.linkedin.com/in/mrpaulandrew](https://www.linkedin.com/in/mrpaulandrew)

**Twitter:** @mrpaulandrew

**Blog:** <https://mrpaulandrew.tech>



## PROFILE

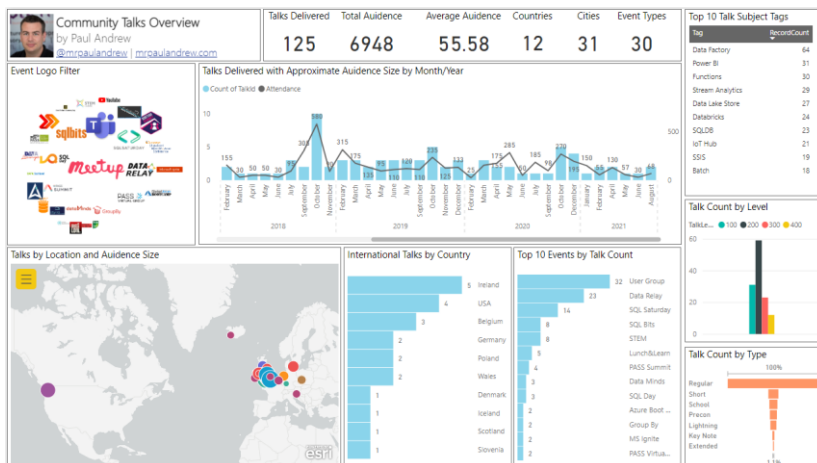
As a highly motivated, passionate individual I approach every solution with an equal and absolute perception that anything is possible. My career has gifted me knowledge on a wide-reaching toolkit of technologies that can be harnessed and manipulated to overcome data handling problems big and small. I have a proactive mentality and the drive to achieve the best in all aspects of life. I also enjoy sharing my knowledge as a community speaker, regular blogger, event's organiser, and mentor. Finally, experience delivering end to end solutions has taught me that degree of pragmatism and transparency always yields the best results, regardless of the technical challenge. Coupled with quality through testing.

## OVERVIEW

- \* Designed and delivered data platform solutions for enterprise customers globally.
- \* 10+ years' experience working with Microsoft SQL Server.
- \* 6+ years' experience working with the Microsoft Azure Data Platform.
- \* Domain experience; healthcare, retail, gaming, manufacturing, mining, banking.
- \* Microsoft exam question author and moderator.
- \* Open-source project creator and contributor (procfwk.com).
- \* Book technical reviewer (Azure Data Factory by Example. ISBN-101484270282).

## DATA PLATFORM COMMUNITY INVOLVEMENT

As a Microsoft Data Platform MVP, I'm a very active member of the wider data community having now spoken at 125 events and conferences across 12 countries.



## EMPLOYMENT HISTORY



**Group Manager & CoE Technical Architect**

Avanade

July 2019 – Present

Responsible for delivering data insights to enterprise customers globally through the Microsoft Azure Data Platform. Leading multi-national delivery teams through design patterns and best practices to ensure excellence for a variety of industry verticals. Internal technical advisor and research lead looking to the horizon at services available in the cloud. Member of the architecture review board and speaker on the internally hosted webinar 'Data Lounge'. Part of the global solution area and data platform modernisation leader.

- \* Data Platform Architect
- \* Solution Leadership
- \* Presales Advisor
- \* Technical Advisory Board
- \* Practice Support Lead
- \* Mentor

## SKILL SET

- \* Data Platform Architect
- \* Solution Delivery Lead
- \* Research & Innovation
- \* Data Insight Roadmap
- \* Data Strategy Lead
- \* Community Leader
- \* Data Engineer
- \* Technical Advisor
- \* Mentor

## TECHNOLOGY TOOLKIT

- \* Azure Synapse Analytics
- \* Azure Data Factory
- \* Azure Databricks
- \* Azure Data Lake
- \* Azure Stream Analytics
- \* Azure SQL Database
- \* Azure Cosmos DB
- \* Azure IoT/Event Hubs
- \* Azure Batch Service
- \* Azure Automation
- \* Azure Functions
- \* Azure Logic Apps
- \* Azure Cognitive Services
- \* Azure DevOps
- \* Git/GitHub
- \* Microsoft SQL Server (DBMS, SSIS, SSAS, SSRS)
- \* Microsoft .Net (C#, VB)
- \* T-SQL, U-SQL
- \* MDX, DAX, XMLA
- \* Python
- \* Scala
- \* PowerShell, Bash
- \* JavaScript, Auto IT Script
- \* HL7, ITK
- \* Mirth
- \* Ensemble
- \* Power BI
- \* Tableau

## DELIVERY TECHNIQUES

- \* Agile/Scrum
- \* BEAM
- \* Kimble
- \* Inmon
- \* ITIL
- \* Kaizen
- \* Kanban



## EMPLOYMENT HISTORY Continued



### Principal Consultant & Solution Architect

March 2018 – July 2019

Adatis Consulting Ltd

Advanced analytics consultant and architect delivering big data business intelligence solutions on the Microsoft cloud platform. Covering healthcare, retail and gaming. Project lead and scrum master for internal teams delivering modern data warehouse solutions using best practices and developing reusable design patterns for cloud technologies. Implementing lambda architectures.

- \* Azure Data Solution Architect
- \* Azure Solutions Designer
- \* Project Solution & Technical Lead
- \* Technical Presales Advisor



### Business Intelligence Consultant

March 2016 – March 2018

Purple Frog Systems Ltd

Second tier consultant and lead architect for hybrid business intelligence data solutions in Azure and on premises. Specialising in real-time data streaming, cloud orchestration on big data platforms. Lead developer, data model designer and infrastructure administrator. Customer liaison for all post sales technical engagements and scoping.

- \* Business intelligence consultation
- \* ELT/ETL development
- \* Technical document author
- \* Solution designer & architect



### Data Management Technical Lead

February 2014 – March

Staffordshire & Shropshire Health Informatics

2016

Lead for the data management department in the delivery of all data services provided across the county. Design and develop data flow solutions, mentoring the team in best practices and the utilisation of new technologies. Research and development done on the latest technologies and techniques to ensure the provision of data warehousing and support internal analytics. Implemented full clinical data warehouse to support national reporting requirements. Technical advisor for all company departments.

- \* Design and solutions architect
- \* Organisation technical adviser
- \* Team mentor and product specialist
- \* Data flows developer



### Data Management Specialist

October 2012 – February

South Staffordshire Health Informatics Service

2014

Centred on the vast Microsoft SQL Server estate covering all versions and services within the product suit. Utilise all tools to deliver the highest possible standard of data to customer organisations using whatever integration methods were required for the data sources presented. Fluency in languages such as TSQL, MDX, XMLA and DAX made me a strong developer resource within the team.

- \* Senior SQL Server developer
- \* Database administrator
- \* Operational resilience monitoring
- \* Service lead advisor

## COMMENDATIONS

### Stack Overflow

Developer Reputation:

3,178 ● 2 ● 15 ● 35

Awards:

● Unsung Hero

● Steward

### LinkedIn Endorsements

SQL • 14

Microsoft SQL Server • 11

Windows Server • 9

Analysis Services • 8

SSIS • 8

Data Analysis • 6

Database Administration • 6

ITIL • 6

Windows 7 • 5

Microsoft Office • 4

HL7 • 4

Tableau • 3

Business Intelligence • 2

Data Warehousing • 2

MS Reporting Services • 2

MySQL • 2

T-SQL • 2

Visual Studio • 2

### SQL Saturday – Cork

Best Speaker

### SQL Saturday – Dublin

Best New Speaker

### SQL Day – Wroclaw

Community Supporter Award x2



## EMPLOYMENT HISTORY Continued



**Application/Integration Developer**  
*Somerset Health Informatics*

*August 2011 – October 2012*

Development and operational responsibility of the shared services county wide integration engines offering my skills connecting numerous acute trust localised systems to their main patient administration system. This was typically achieved using HL7 messaging via 4x full Mirth Appliances and JavaScript combined with custom build web services to trigger whatever event or action was required for successful data flows.

- \* .Net web services developer
- \* HL7 interface developer
- \* Integrations specialist
- \* 3<sup>rd</sup> line technical Support engineer



**Information and Testing Analyst**  
*Taunton and Somerset Foundation Trust*

*August 2009 – August 2011*

Assist with the general workings of the acute trust's information and performance department, plus automating and improving report delivery where possible. Then test features developed as part of the ongoing business intelligence project to fully adopt Tableau and Microsoft Reporting Services.

- \* Tableau developer
- \* Data flow tester
- \* Dashboard creator
- \* NHS dataset analysis

## FORMAL TRAINING

- \* Unconscious Bias – Accenture
- \* Dimensional Modelling – The Kimble Group
- \* Pre-Con: Query Execution Plans in Depth – Hugo Kornelis
- \* Pre-Con: Column Store Indexes – Niko Neugebauer
- \* C# Fundamentals – Pluralsight
- \* Pre-Con: Learn BIML Today: Start Using It Tomorrow – Scott Currie
- \* Pre-Con: SSIS Performance Design Patterns – Matt Mason
- \* Pre-Con: SQL Server Integration Services End to End – David Dye
- \* Ensemble/Cache Integration Engine Development
- \* Microsoft Certified Implementing and Administering SQL Server Analysis Services
- \* Mirth Connect/Appliance Integration Engine Development.
- \* The Visual Basic 2008 Programming Language with .Net 3.5 Framework
- \* ITIL - V3 Foundation Certificate in IT Service Management
- \* Microsoft Certified Implementing and Administering SQL Server Reporting Services
- \* NVQ Information Technology Qualification
- \* Electrical/Electronic Engineering passed with Merit
- \* NVQ in Performing Manufacturing Operations
- \* Certificate of Competence for The Inspection and Testing of Electrical Equipment
- \* Crimping Code of Practice in Accordance with BS7727

## PERSONAL

Proud father to Neave, Thea and Rupert. Husband to Christine. Regular blood donor and cancer research supporter. Great lover of the outdoors, cyclist and swimmer. Ran several half marathons and 10k events raising money for various charities. Previously dressed as Tommy Cooper at SQL Bits.

## CONTACT DETAILS

[paul@mrpaulandrew.com](mailto:paul@mrpaulandrew.com)

## REFERENCES

Available on request.

