

Reece Wall

DATA ENGINEER · AZURE · DATABRICKS · SQL

+44 7761 918470

rcdwall@gmail.com

linkedin.com/in/reecewall

reecewall.dev

Nottingham, UK

PROFILE

Data Engineer with 5+ years in analytics and data engineering across the Boots UK supply chain, including 3+ years building and optimising ETL/ELT pipelines in Azure and Databricks. Hands-on with Databricks (PySpark / Spark SQL), Azure Data Factory and performant T-SQL, feeding a Synapse data warehouse that serves planning, forecasting and replenishment. A Mathematics graduate with a strong record of pipeline optimisation, data modelling at scale and reliable delivery on business-critical systems.

EXPERIENCE

Systems Lead · Supply Chain Planning, Boots UK

Mar 2026 – Present

Azure SQL Python Power BI Power Automate

- Led the data modelling behind major stock-policy and availability decisions, modelling ~20M item/store/site planogram records in performant SQL and Power BI to quantify the working-capital impact of 7 investment scenarios (£5–50m range) and inform a board-level capital-allocation decision.
- Own the stability and optimisation of core forecasting and replenishment data systems operating across the national store estate (18M item/store combinations).
- Lead triage and delivery of change requests, advising on system-related decisions and bridging business users and IT to turn system behaviour into actionable fixes.

Data Engineer · Supply Chain, Boots UK

Nov 2022 – Feb 2026

Azure Data Factory Databricks / PySpark Synapse PowerShell T-SQL Power BI

- Built and remediated ETL/ELT pipelines in Azure Data Factory (simplifying logic, cutting load times and consolidating distinct pipelines) that loaded a Synapse data warehouse used across planning and replenishment.
- Engineered data transformations in Databricks using Python notebooks with PySpark and Spark SQL, refining raw ingested data into clean, warehouse-ready tables.
- Built automated monitoring and alerting that verifies expected files land in Azure Blob Storage on time, catching ingestion failures before they reached downstream reporting.
- Developed PowerShell tooling to map end-to-end data lineage from blob storage to warehouse target tables, accelerating root-cause analysis.

Data Analyst · Supply Chain Planning, Boots UK

Sep 2020 – Nov 2022

T-SQL Azure Synapse VBA Excel Power BI

- Built an outbound optimisation model that delivered c. 400,000 fewer warehouse pick operations per week during Peak 2021.
- Engineered a supplier-booking system (MS Access / VBA / Excel) used by the Seasonal and Online operations to manage inbound bookings into the Burton warehouse.
- Ran statistical analysis across 1B+ records in Azure Synapse using T-SQL window and partition functions, work that would otherwise have been computationally infeasible.

MI Administrator · Outbound, Boots UK

Dec 2018 – Sep 2020

VBA SQL Excel

- Automated the majority of daily MI reporting, freeing c. 3 hours/day for project and improvement work.
- Built a reusable custom JSON parser in VBA and tooling to flag inefficient stock deliveries to site.

Earlier: Began in Outbound operations (2017–18), building a ground-level understanding of product flow and the end-to-end supply chain before moving into MI and analytics.

TECHNICAL SKILLS

CLOUD & DATA ENGINEERING

Azure Data Factory Databricks
PySpark / Spark SQL Azure Synapse
Data Warehousing ETL / ELT
Data Modelling Azure Blob Storage
Azure DevOps

LANGUAGES

SQL / T-SQL Python PySpark
PowerShell DAX M / Power Query
VBA R

BI & REPORTING

Power BI Power Query Power Automate
KPI Reporting

TOOLS & PRACTICE

SSMS Git Agile
Monitoring & Alerting Pipeline Optimisation

EDUCATION

BCS Level 5 Diploma, Data Engineering

The Chartered Institute for IT
2025

BCS Level 4 Diploma, Data Analytics

The Chartered Institute for IT
2022

BSc (Hons) Mathematics

University of Nottingham
2013–2016

STRENGTHS

- Builds reliable, performant pipelines with optimisation and observability built in.
- Detail-driven, with a habit of challenging data that doesn't behave as expected.
- Translates complex system behaviour into clear decisions for technical and non-technical audiences.

SELECTED IMPACT

£5–50m stock-investment scenarios modelled to inform an Exec OSA decision

1B+ records analysed in Azure Synapse with T-SQL

~400k fewer warehouse pick operations per week (Peak 2021)

18M item/store combinations supported across the national estate