Apprentify

# Data Apprenticeships.

Data Technician &
Data Analyst

# DEVELOP THE TALENT TO TAKE YOUR COMPANY FORWARD

Our Data Apprenticeships, Data Technician Level 3 and Data Analyst Level 4 will give you and the apprentice the necessary knowledge, skills and behaviours to work effectively in roles such as: Data Analyst, Data Manager, Data Scientist, Data Modeller, Data Architect and Data Engineer

These digital Data Apprenticeships enable you to drive organisational innovation and optimise resources through developing knowledge and understanding of data and its potential.

Whether you choose to upskill an existing member of your team or take on a new hire, an apprentice will not only cost-effectively transform your wider team's productivity and inject new skills into your business, but will also be able to help you make business decisions based on concrete evidence i.e. data.

► Identify opportunities to enhance performance through the development of insights using data

► Discover more about your business and marketplace through data analysis

► Shape processes to develop efficiencies as well as create dashboards, graphs and visualisations

► Mine data from primary and secondary sources to analyse and solve problems

► Increase the use of automation by generating valuable and meaningful reports

► Use digital techniques to know your organisation and influence its behaviour and growth

► Interpret and assess data so that management can future proof the business

# Why Apprentify?

## APPRENTICES OF THE HIGHEST CALIBRE

We identify the best talent through a robust quality driven apprentice selection process Defined by **behavioural and technical assessments** carried out over the course of the day.

## BEST PROGRAMME DESIGN

Virtual and innovative programme with **no venues to travel to**. The blended teaching is made up of interactive virtual classroom training, e-lessons and activities as well as 1:1 coaching sessions in the workplace.

## CUTTING EDGE CURRICULUM

All our programmes have been designed in-house by our team of industry experts and tutors with employers and businesses in mind and in particular job role skills sets for the future. Teaching is regularly updated so that it is both current and relevant.

## CONVENIENT STARTS

**Rolling starts** so your apprentice can start when it suits you rather than waiting for a fixed cohort start date.

## PATHS TO MASTERY

We not only offer the curriculum as set out in the standard, but employers can benefit from **further specialist training** which is right for the business. Exclusive to Apprentify and a true value add with no extra cost it gives apprentices the chance to gain additional qualifications in certain areas specific to their job role and chosen alongside the employer to ensure a relevant skill set for the company.

"We have just started working with Apprentify after using a couple of previous Apprenticeship providers that we have been disappointed with. Since the very first phone call the entire team that I have dealt with have been nothing short of exceptional! They have been communicative and supportive when going through the whole process and it has always been made clear to me who is responsible for what."

**Sarah Comerford**
**Client Services Director**
**Purple Creative Studio**

P U R P L E
C R E A T I V E

# NOT EVERY COMPANY IS THE SAME, SO WHY WOULD THE TRAINING BE?

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# DATA TECHNICIAN – LEVEL 3

**Click here to link to the course**

**Duration:** 15 months

This apprenticeship is the perfect introduction to a career in data analysis. Job roles include Junior Information Analyst, Database Technician, Data Support Analyst and Junior Data Analyst.

Data Technicians are responsible for collecting and processing data under the guidance of a senior colleague or multiple colleagues across the business.

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**Key learning outcomes include:**

- Data collection and security precautions
- Handling Data
- Data Fundamentals and visualisation
- Preparing Data for your business
- Database and SQL
- Excel & Advanced Excel
- Data Analysis Tools
- R Fundamentals
- Python Fundamentals
- Emerging Technologies

**Development Environments:**

- RStudio Desktop
- SQL
- PowerBI
- Excel
- Python

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**Path to Mastery**

The apprenticeship itself covers the core elements as defined within the approved standard.

The Path to Mastery gives apprentices the chance to gain additional skills in specialist areas. Employers and employees can choose from three different options. Decisions should be made based on the needs of the business. This optional additional learning is designed to enhance expertise in a certain area and will then allow your apprentice to thrive in your company and provide you with a greater return on your investment.

**Option 1: Tableau**
The Tableau platform is a market leader in analysis. It is known for taking any form of data from almost any system and merging it into actionable insights with speed and ease.

**Option 2: Trifacta**
Trifacta is used to explore, transform, and enrich raw data into clean and structured formats. It uses techniques in machine learning, data visualisation, human-computer interaction, and parallel processing to enable users to work with large datasets.

**Option 3: Python**
Python is one of the most preferred languages for data analytics and is also a general-purpose programming language. Using Python enables data technicians to use less lines of code to complete the tasks thus speeding up workflow.

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**Apprentify Methodology and Additional Benefits**

- Bespoke apprenticeship model with technical coaching and mentoring throughout
- Classroom knowledge training in manageable sessions to allow for plenty of time to embed and practice the learning in the workplace before moving on
- Group projects between training sessions to build analytic skills
- Communication and interpersonal skills training

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# DATA ANALYST LEVEL 4

**Click Here to link to the course**

**Duration:** 18 months

The Level 4 Data Analyst Apprenticeship has been developed to play a significant role in business growth. The primary role of a Data Analyst is to collect, organise and study data to provide business insight. The analysis helps ensure your business stays competitive notwithstanding operational and environmental change and can predict what the market demands before it happens providing you with strategic advantages.

Roles include Data Analyst, Data Manager, Data Scientist, Data Modeller, Data Engineer and Data Architect.

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**Key learning outcomes include:**

- Data Analysis for your business
- Data Architecture requirements
- Data collection and manipulation
- Analysis & Visualisation
- Database Design & Modelling
- Statistical analysis & Predictive analytics
- RStudio Desktop, PowerBI & Excel
- Time series analysis
- Forecasting Data
- Analysis with Python
- Emerging Technologies

**Development Environments:**

- RStudio Desktop
- SQL
- PowerBI
- Excel
- Python



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**Path to Mastery**

The apprenticeship itself covers the core elements of data analysis tools and concepts as defined within the approved standard.

The Path to Mastery gives apprentices the chance to gain additional skills in specialist areas. Employers and employees can choose from three different options. Decisions should be made based on the needs of the business. This optional additional learning is designed to enhance expertise in a certain area and will then allow your apprentice to thrive in your company and provide you with a greater return on your investment.

**Option 1: Google Data Studio**
Enhance the power of your data with customisable interactive dashboards with beautiful reports that enable the business to make smarter business decisions.

**Option 2: Customer Analytics**
Customer analytics refers to the processes and technologies that give organisations the customer insight necessary to deliver an anticipated, relevant and timely offering.

**Option 3: Credit Risk Modelling**
Data structural models are used to calculate the probability of risk to the business.

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**Apprentify Methodology and Additional Benefits**

- Bespoke apprenticeship model with technical coaching and mentoring throughout
- Classroom knowledge training in manageable sessions to allow for plenty of time to embed and practice the learning in the workplace before moving on.
- Exam preparation sessions – BCS Data Analysis Concepts and BCS Data Analysis Tools
- Group projects between learning sessions to build analytic skills
- Communication and interpersonal skills training threaded throughout the programme





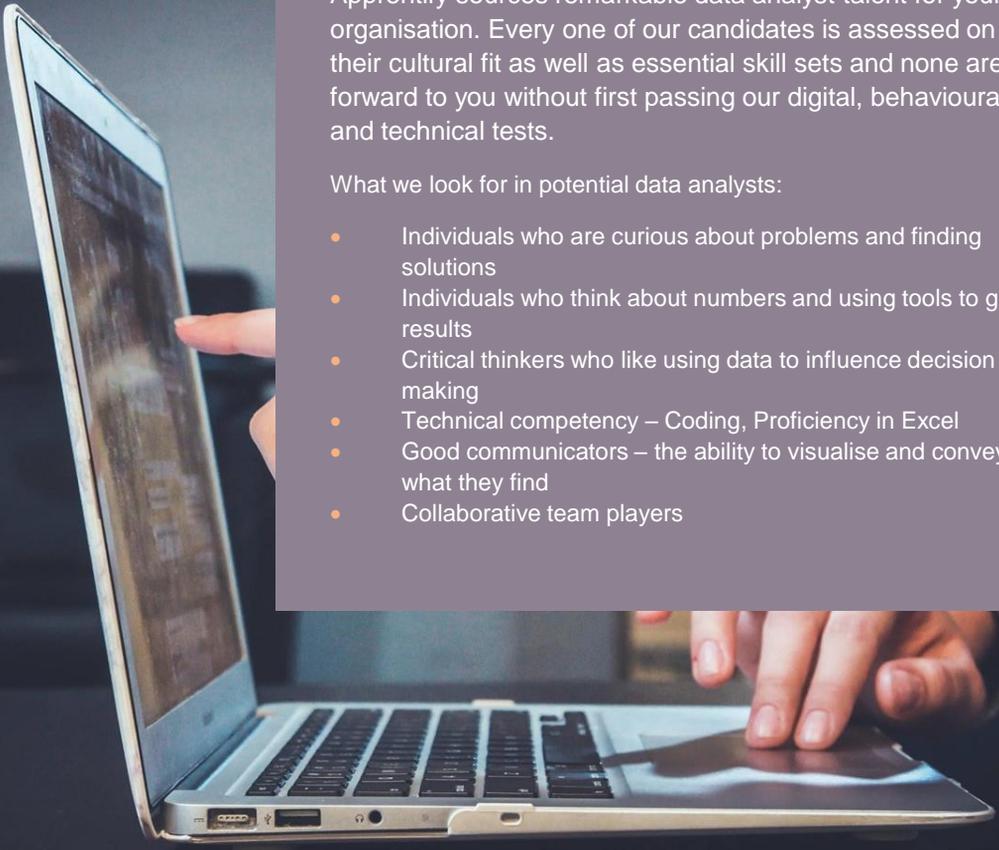**Dell EMC Data Science Association Examination**
We have mapped the learning of this programme with the objectives and criteria of the Dell qualification. This qualification can be undertaken at the employer's behest and carries an additional cost as it stands outside the approved curriculum

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## TALENT RECRUITMENT

Apprentify sources remarkable data analyst talent for your organisation. Every one of our candidates is assessed on their cultural fit as well as essential skill sets and none are put forward to you without first passing our digital, behavioural and technical tests.

What we look for in potential data analysts:

- Individuals who are curious about problems and finding solutions
- Individuals who think about numbers and using tools to get results
- Critical thinkers who like using data to influence decision making
- Technical competency – Coding, Proficiency in Excel
- Good communicators – the ability to visualise and convey what they find
- Collaborative team players

Apprentify hold an Apprentice Assessment Session every week for candidates applying for roles.

This is a full day made up of two key parts – IAG and Assessment

Integral to the apprentice journey is Information, Advice and Guidance (IAG) from this first point of contact through the apprenticeship training and ultimately to the long-term career objective.

### IAG

- Digital/Technical Skill Scan conducted by a coach
- Maths and English Pre-Scan using BKSB
- Additional Learning Needs Pre-Scan using Cognassist
- A range of activities designed around practical communication and employability skills
- A comprehensive brief of the Apprenticeship Programmes
- Planning and executing 20% off the job learning
- Understanding of the expectations, time and commitment involved.

### Assessment

- Subjective skill scan where each candidate has the opportunity to score themselves on their current technical and digital skills and knowledge
- The coach objectively questions each of the areas covered to determine level and depth.
- Peer to peer interview session
- BKSB initial assessment to understand current Maths and English ability to ensure they are working to the required level
- Analytics assessment to explore Maths ability further

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# Data Analyst
# Data Technician.

## Next Steps:

**Call us on**
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**Apprentify Website**
**www.Apprentify.com**