



ENERGY &
UTILITY SKILLS

Skills for a greener world

Online Job Postings – IT & Data

July 2024





This summary of online job postings for IT and data roles relates to the year ending 30 June 2024.

There were 840,900 job postings for IT and data roles across the UK economy in the year ending 30 June 2024 – 40% lower than the 1.41 million job postings recorded in the year ending June 2023.

The average duration that job postings were “live” was 25 days – down from 31 days in the previous year, suggesting that filling these job postings is easier than in the previous year.

- Computer Programming, Consultancy and Related Activities was the industry with the highest volume of IT and data job postings (55,500)
 - Within the energy and utilities sector, there were 6,200 IT and data job postings (0.7% of all IT and data job postings)
- The NHS was the largest single recruiter of IT and data roles, with 14,800 job postings (excluding employment agencies)
 - Within the energy and utilities sector, SSE Networks was the largest recruiter (950)
- The region with the highest number of IT and data job postings was London (175,000)
- The job title with the largest number of IT and data job postings over the past year was Software Engineer (15,600)
 - Within the energy and utilities sector, Software Engineer was also the job title with the most job postings (85)
- 54% of IT and data job postings required a Bachelor's Degree or equivalent (down 2% on the previous year)
 - Within the energy and utilities sector, the proportion of job postings that required a Foundation Degree, HNC, HND or equivalent was 17% - significantly higher than the 7% of IT and data job postings across all industries
- Median salary on offer in IT and data jobs was £45,000 (down 0.6% over the year) - £12,000 higher than the median salary across all occupations in the UK economy
 - Within the energy and utilities sector, the median salary for IT and data jobs was £50,900 (up 4.7% on the year)

Timeseries

- In the year ending 30 June 2024, there were 840,900 online job postings – falling consistently throughout the year (from 226,700 in July 2023, down to 99,400 in June 2024)



Industry

- Over the past year, Computer Programming, Consultancy and Related Activities was the industry with the highest volume of IT and data job postings (55,500)

Industry (excluding employment agencies)	Year ending June 2024	Annual change	Median duration
Computer Programming and Related Activities	55,500	-38%	25 days
Activities of Head Offices and Management Consultancy	23,700	-36%	25 days
Financial Service Activities	22,400	-33%	22 days
Human Health Activities	21,100	-23%	24 days
Office Administrative and Other Business Support Activities	21,000	-31%	26 days
Public Administration and Defense	19,800	-16%	22 days
Education	18,700	-19%	23 days
Retail Trade (except of motor vehicles)	11,900	-28%	23 days
Professional, Scientific and Technical Activities	11,500	-16%	27 days
Real Estate Activities	8,900	-17%	21 days

- Within the energy and utilities sector, there were 6,200 IT and data job postings (0.7% of all IT and data job postings in the UK economy) – with a median duration of just 20 days
 - 3,500 in Electricity, Gas, Steam and Air Conditioning Supply
 - 1,800 in Water Collection, Treatment and Supply

Employers

- Over the past year, the NHS was the largest single recruiter of IT and data roles, with 14,800 job postings (excluding employment agencies)
- Within the energy and utilities sector, SSE Networks was the largest recruiter (950)

Employers (excluding employment agencies)	Year ending June 2024	Energy and Utilities	Year ending June 2024
NHS	14,800	SSE Networks	950
CGI	2,900	National Grid	520
Lloyds Bank	2,400	EDF Energy	490
ARM	2,300	Thames Water	390
Jaguar Land Rover	2,100	Severn Trent	250
BAE Systems	1,900	M Group Services	230
Develop	1,900	Entergy	230
Vodafone	1,800	Cadent Gas	210
Dept. for Work and Pensions	1,800	Yorkshire Water	150
BT Group	1,700	OVO Energy	140

Location

- The **region** with the highest number of IT and data job postings was London (175,000)
- London also saw the largest decrease in job postings compared with the previous year (-44%)

Region/Nation	Year ending June 2024	Annual change	Median duration
London	175,000	-44%	23 days
South East	96,100	-30%	26 days
North West	71,200	-41%	26 days
South West	58,800	-30%	25 days
Yorkshire and The Humber	54,900	-42%	21 days
West Midlands	53,000	-34%	26 days
East of England	51,000	-30%	26 days
Scotland	40,500	-40%	25 days
East Midlands	31,300	-34%	25 days
North East	15,700	-27%	25 days
Wales	13,300	-41%	26 days
Northern Ireland	13,300	-42%	26 days

- The median duration of job postings in Yorkshire and The Humber (21 days) and London (23 days) is lower than the national average, suggesting that filling IT and data vacancies in these regions is, perhaps, easier than in other areas of the UK
- The region with the highest number of IT and data job postings in the energy and utilities sector was the South East (1,000)

Job Titles

- The **Job Title** with the largest number of IT and data job postings over the past year was Software Engineer (15,600)
- The job title which saw the largest decrease in job postings over the previous 12 months was DevOps Engineer (-61%)

Job title	Year ending June 2024	Annual change	Median duration
Software Engineers	15,600	-45%	25 days
Data Engineers	8,800	-50%	19 days
Software Developers	8,200	-51%	26 days
Infrastructure Engineers	7,700	-40%	26 days
Data Analysts	7,200	-44%	20 days
DevOps Engineers	7,000	-61%	21 days
Solutions Architects	6,800	-51%	20 days
Systems Engineers	6,600	-26%	27 days
IT Support Engineers	6,000	-42%	26 days
NET Developers	5,800	-57%	21 days

- Within the energy and utilities sector, Software Engineer was also the job title with the most job postings (85)

Skills

- Agile Methodology was the most sought-after **specialist skill** (97,500)

Specialist Skills	Year ending June 2024	Annual change
Agile Methodology	97,500	-55%
Microsoft Azure	92,500	-49%
SQL (Programming Language)	89,000	-50%
Python (Programming Language)	80,300	-46%
Project Management	78,300	-38%
Amazon Web Services	65,900	-55%
Software Engineering	60,800	-53%
Automation	58,400	-47%
JavaScript (Programming Language)	57,100	-61%
Software Development	55,900	-47%

- Communication skills were the most sought-after **common skill** (261,400)

Common Skills	Year ending June 2024	Annual change
Communication	261,400	-32%
Management	162,700	-35%
Problem Solving	116,100	-24%
Customer Service	86,200	-35%
Leadership	76,000	-31%
Troubleshooting (Problem Solving)	75,700	-26%
Planning	72,200	-37%
Operations	70,200	-31%
Detail Oriented	65,800	-25%
Innovation	62,700	-31%

- Microsoft Azure skills were the most sought-after **software skill** (92,500)

Software Skills	Year ending June 2024	Annual change
Microsoft Azure	92,500	-49%
SQL (Programming Language)	89,000	-50%
Python (Programming Language)	80,300	-46%
Amazon Web Services	65,900	-55%
JavaScript (Programming Language)	57,100	-61%
C# (Programming Language)	49,100	-55%
Application Programming Interface (API)	46,500	-54%
Java (Programming Language)	41,400	-62%
Linux	36,100	-51%
React.js (Javascript Library)	33,300	-59%

Education requirements

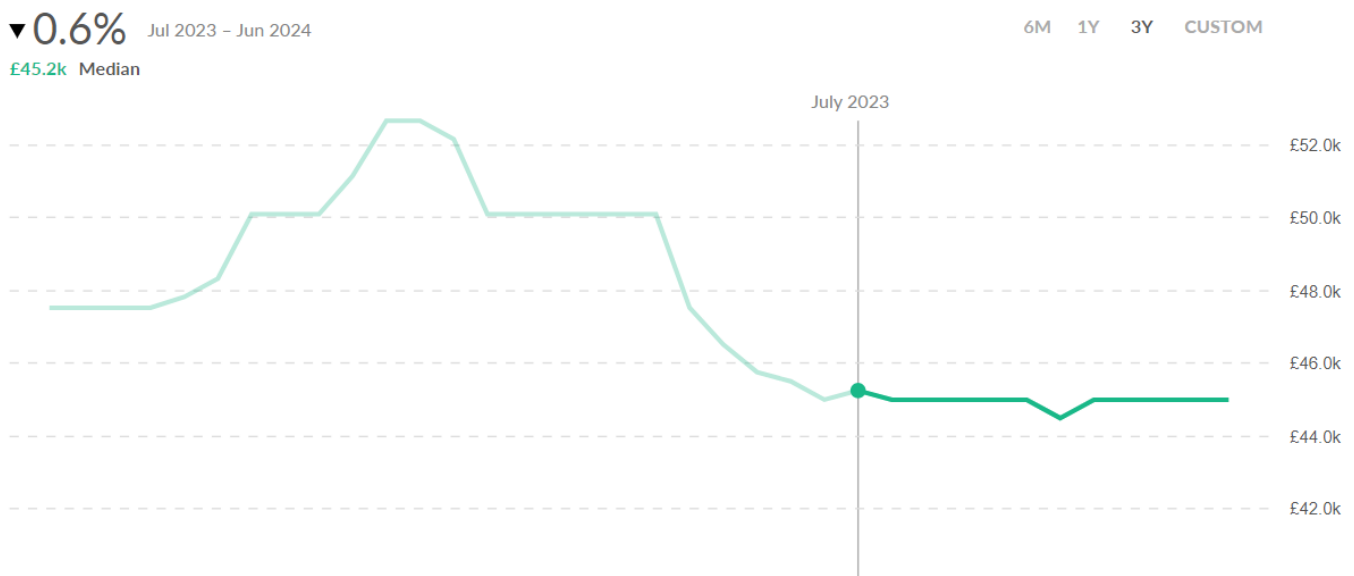
- Over the past year, there was a very slight shift away from requiring higher level qualifications (in favour of A Level and Foundation Degree, HNC, HND or equivalent qualifications)
- 54% of IT and data job postings required a Bachelor's Degree or equivalent (down 2% on the previous year)

Qualifications	Year ending June 2024	Annual change
Up to GCSEs or equivalent	10%	-1%
A Levels or equivalent	7%	+1%
Foundation Degree, HNC, HND or equivalent	7%	+1%
Bachelor's Degree or equivalent	54%	-2%
Master's Degree or equivalent	14%	-1%
Ph.D. or equivalent	7%	-1%

- Within the energy and utilities industries, the proportion of IT and data jobs requiring a Bachelor's Degree was 51%
- The proportion of job postings that required a Foundation Degree, HNC, HND or equivalent was 17% - significantly higher than the 7% of IT and data job postings across all industries

Salary

- Median salary on offer in IT and data jobs was £45,000 (down 0.6% over the year) - £12,000 higher than the median salary across all occupations in the UK economy
- Within the energy and utilities sector, the median salary for IT and data jobs was £50,900 (up 4.7% on the year)



Apprenticeships

- Of the vacancies detailed above, 11,800 were Apprenticeship vacancies – down from 16,300 in the previous year
- Mirroring total job postings, Apprenticeship job postings have declined steadily throughout the past year (from 3,400 in July 2023, down to 1,500 in June 2024)



- The median advertised salary for an IT and data apprenticeship was £18,800 (down 1.3% over the previous year)
- The largest recruiters of IT and data Apprenticeships over the past year within the energy and utilities sector were Severn Trent (30), SSE Networks (30) and Thames Water (15)

The data in this report is powered by Lightcast. It is based on collecting information from online job postings from a wide range of sources on a real-time basis.

This report provides data on job postings for IT and data roles. The employers recruiting these skills are not just within the core IT and data industries – they could be in any sector of the UK economy. As such, this report gives a full sense of the scale of competition for these skills within the UK labour market.

Any job posting that sits behind a log-in wall or is advertised only via a recruitment agency will not be included in this report.

Find out more

For further information on the data contained in this summary, or to discuss how the labour market may affect your organisation's talent attraction and retention strategies, please contact: **Rob Murphy** Workforce Planning Consultant rob.murphy@euskills.co.uk – 07834 751608