

# CUSTOMER-FACING DATA SCIENTIST

LONDON (WITH TRAVEL)

# MUDANO

WASTE LESS. DO MORE.

## *Driven by data. Navigated by humans.*

Our mission is to harness project data to help people make the best decisions.

### **About Mudano**

Mudano is developing the autonomous project. A project in which delivery is made more efficient, more intelligent and more human from the outset.

Data is key to achieving this aim. We capture data on projects – such as daily tasks, meeting notes, team sentiment, resource information and project progress – and use it to guide better decision-making. Using Machine Learning (ML) and Artificial Intelligence (AI), we can predict the future path of a project, helping teams to foresee issues, improve productivity and deliver more efficiently.

We call this Delivery Science™ and we're developing an entirely new approach to project delivery based around this. We're also developing a brand-new, cutting-edge, platform called Sharktower to drive Delivery Science into projects and help turn our ambitions into reality.

Our clients share our passion and love what we can achieve using data – both in relation to Delivery Science and in other areas, such as insight provision, decision optimisation and business diagnostics. Client demand for our data services – in all their forms – has risen exponentially and we're looking to grow our customer-facing Data Science team to help meet this demand.

## *Be part of changing the industry*

Our customer-facing teams are focused on delivering projects in a data-driven, value-led manner.

### **What is Sharktower?**

Sharktower is a unique software platform which integrates project management tooling with Data Science and analytics to support teams working on large change programmes. Our software is used to make better project decisions and predict upcoming issues through data insight, visualisation, predictive analytics and real-time reporting.

We've started from the ground up to build a system for all project stakeholders to ensure that at every interaction, value is added, insight is communicated, and efficiency is gained.

Data is the life blood of our business. By analysing data from projects, Sharktower will highlight future issues, predict the probability of slippage and provide real sentiment analysis on project delivery. Sharktower is a cloud-based collaboration tool, built using cutting-edge technologies and algorithms and is currently at an advanced stage in its development.

## *Different works here*

If you've spent your career finding new ways of doing things and are passionate about trying different way to work, you'll find kindred spirits at Mudano.

### **What do our Customer-Facing Data Scientists do?**

Our customer-facing teams provide consultancy support to a range of different clients on all aspects of data – from cradle through to grave. We work mainly, but not exclusively, in the Financial Services sector and our clients call on us to deliver the most challenging assignments going. We're proud of the outstanding work we deliver to our clients and we aim to significantly exceed client expectations on each project we undertake.

Data Science is a core part of our customer-facing work, with previous and current Data Science engagements including:

/ Using Data Science to diagnose the reasons for under-performance in a client product portfolio, along with remediation actions required to address this shortfall;

- / Developing novel applications of Data Science to help better understand the client's Customers, Markets, Products and Competitors;
- / Developing Machine Learning algorithms and tools to help improve client data quality and data consistency;
- / Using Machine Learning to improve the delivery of a large portfolio of client projects;
- / Using Data Science to help detect fraud and ensure compliance with Anti Money Laundering obligations;
- / Design, build, delivery and operation of Data Science innovation laboratories, including provision of interim specialist resources to help embed the new labs.

## *What's your super power?*

Tell us what you're brilliant at, and there's a good chance that it could be a big part of your role.

### **What are we looking for?**

We are currently looking to fill a number of roles in our Customer-Facing Data Science team at varying levels of seniority.

- / Hands-on Data Science investigations (4 roles) and
- / Provision of strategic guidance to clients on developing Data Science services (1 role)

For all our roles, it is essential for you to have a minimum of 3 years' hands-on experience of undertaking Data Science in a commercial or applied R&D environment and that you are comfortable working on client sites as part of an embedded team. You must also have excellent client-handling skills, be a fluent communicator in written and spoken English and be able to work with a diverse range of client staff – from recent graduates through to senior management.

Our hands-on Data Scientists are highly skilled at deriving insight from large, complex, data sets using a range of different platforms and technologies. They work in languages such as R and Python and work with both structured and unstructured data sets. Normally, our hands-on Data Scientists work as part of a multi-disciplinary, agile, team that also includes Business Analysts, Data Engineers and Data Visualisation SMEs.

Our strategic Data Science role holders must also be able to undertake hands-on Data Science investigations but, in addition, must have direct experience of designing, building and/or operating a Data Science service, such as a laboratory or similar team/capability. These roles often involve liaison with very senior client stakeholders and require exceptional strategy and technology foresight skills. You will normally have a minimum of 8-10 years' experience in Data Science to be considered, although this is not an essential requirement of the post. It is, however, an essential requirement that you have previously worked on at least one Data Science capability definition/delivery project, as outlined above.

As part of the candidate selection process, we will look for clear evidence that all applicants have the required experience of hands-on Data Science skills and all applicants will be required to pass a test of analytical abilities as part of their assessment.

Please note also that you must be willing to work up to 4 days per week on one or more of our clients' sites as part of this role and we are not able to guarantee from the outset at which client site you will be based. We will, of course, do all we can to locate our staff in their preferred location(s), but you must be prepared to travel to, and work, in UK locations that could include one or more of London, Bristol, Milton Keynes and Swindon. This list of locations is not exhaustive and may change in line with client demand. It is essential, therefore, that you are willing to travel as needed to meet this requirement – which usually involves some overnight stays away from home.

From time to time, you may also be transitioned away from full-time customer-facing work into an internally-facing role that will help develop the Sharktower product – for example, by delivering one of more items of R&D or IP Development in an area related to your own expertise. We see this as a key element of developing our Data Scientists and believe it is an invaluable part of our overall approach to career development.

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## Essential Requirements:

- / 3 years' hands-on Data Science experience in a commercial environment (for all customer-facing roles)
- / Broad understanding and experience of ML and AI principles (key assumptions and benefits of ML and AI; algorithm types; experiment design; limitations of ML and AI etc)
- / Confident ML software coding skills (preferably in Python, R and SQL)
- / Demonstrable hands-on experience with ML libraries (such as scikit-learn and/or TensorFlow)
- / Strong in statistical data analysis (e.g. for data visualisation, data insights and feature engineering)
- / Passion for Data Science, actively seeking out opportunities for learning and development.
- / Confident in working autonomously and as part of a multidisciplinary team
- / Fluent communicator in both written and spoken English, with an engaging personality and a professional, yet approachable, style
- / Excellent presentation and report-writing skills
- / Strong client-handling skills, able to deal maturely with client requests and challenges
- / A Master's degree in maths, physics, computer science or other highly numerate discipline from a leading university

## Desireable Requirements:

- Previous experience of working in the Financial Service sector
- A PhD in a highly numerate discipline from a leading university
- In-depth experience in one or more of the following areas:
  - / Machine Learning/Deep Learning
  - / Information retrieval
  - / Text mining
  - / Neural networks
  - / Bayesian models
  - / Graph theory
  - / Natural language processing (NLP)
  - / Recommendation engines

## We believe in win-win

You'll have opportunities to challenge yourself and rapidly grow your career.

### Benefits and compensation

- / Salary of circa £50-85K depending on experience and skills
- / 25 days annual leave (plus 8 bank holidays)
- / Comprehensive benefit package including private medical, wellbeing cover, discounted gym membership, and life insurance
- / Pension scheme with 3% employer contribution
- / Entry into our company stock option scheme
- / Individual training budget and career mentoring
- / 1% club – small benefits requested by the team that make a big difference (e.g. monthly book allowance, UBER for business, automated expenses)
- / Edgy head-office in start-up incubator (including Thursday beer hours, networking, TED style talks, and unlimited tea/coffee and fruit)
- / State of the art IT equipment including choice of touchscreen laptop and tablet
- / Choice of Mac, Windows, or Linux dual-boot laptop and tablet
- / Flexible working, subject to client expectations for on-site presence