

Data Analyst and Backend Developer

Full time or Part time

London / Hybrid

The role

We are looking for Data Analyst and Backend Developers to work on a range of high-profile client projects.

The work is highly varied and challenging. It will involve analysis as well as consulting; defining problems as well as solving them; developing solutions as well as reporting results; desk studies as well as fieldwork and client meetings. You would investigate and apply emerging technologies as well as steer the development of new and existing software tools. You would take pride in the impact of your work, realised through the success of the projects you play a role in delivering.

Some of your responsibilities include:

Data Analysis:

1. Analyse large datasets to extract meaningful patterns, trends, and insights.
2. Develop and maintain data models, simulations, algorithms, and statistical models to support business objectives.
3. Collaborate with internal and external teams to understand data requirements and provide actionable insights and reporting.

Backend Development:

1. Design, develop, test, and maintain scalable backend systems and APIs including IoT and cloud platforms.
2. Implement efficient data storage and retrieval mechanisms.
3. Work closely with front-end developers to integrate backend services with user interfaces.
4. Optimise and troubleshoot backend systems for performance and reliability.

Project Lead, Client Engagement and Collaborations:

1. Lead and execute projects with active client engagements.
2. SmartViz platform and IoT sensor implementation across a range of client projects.
3. Collaborate with software engineers and stakeholders to understand project requirements.
4. Clearly communicate technical concepts and findings to both technical and non-technical stakeholders.
5. Contribute fresh ideas in client meetings and team discussions.
6. Work closely with cross-functional teams to integrate data analytics into backend systems.

Requirements

You are someone with:

- A Master's degree in Data Science, Computing, Engineering, Architecture, Science, Mathematics, or similar
- Prior experience as a data analysis and backend developer, ideally within a cloud environment like Azure
- Strong data visualisation skills, with fluency in Power BI and Excel
- Knowledge of data analysis tools and libraries (e.g. Pandas, NumPy, Jupyter)
- Strong proficiency in programming languages such as Python, Java or similar
- Good backend development skills (Django and Python) are highly desirable
- Experience with IoT or 3D modelling will be welcome
- The ability and confidence to contribute fresh ideas in client meetings and team discussions
- Strong teamworking and communication skills
- A desire to learn new technology and quickly adapt to changes in project requirements



Better Buildings. Better Places.

To apply

If you have what it takes to shape the future of buildings and cities with your data analytics and emerging technologies expertise, please send your CV and cover letter to HR@smart-viz.com. Please include "Data Analyst and Backend Developer" in the subject line.

We are a flexible and equal-opportunities employer

[Our social impact policy](#)

[Our equality, diversity and inclusion policy](#)

[Modern slavery policy](#)