

OPPORTUNITY: Data Analytics Engineer

LOCATION: Stellenbosch, South Africa

LIFE AT DYNAMO

Dynamo Analytics is an actuarial consultancy and software provider, established in 2012, in London. We are now a team of more than 50 employees across the UK, France, South Africa, Norway and Australia.

There are two key components to the business; our consulting team advises our clients on actuarial, financial and statistical modelling, and our software team continues to develop our innovative enterprise modelling platform, Psicle. This allows us to provide our clients a unique and complementary offering of a software solution and actuarial advice, and our teams work closely together across geographies to deliver these.

Being a close-knit team allows everyone to have a truly meaningful role, with the opportunity to add real value to both our clients and our growing business. Our team tell us that our people, their talent, expertise, collaboration and the work itself, is what makes Dynamo a rewarding and enjoyable place to be.

A NEW TEAM

We are looking for a Data Analytics Engineer to join our South African team, working on client projects globally. This new team will build models for our clients, supporting our broader work with them as a key part of their transformational journey, and ensuring these models are streamlined, fit-for-purpose and fully optimised. This is a great opportunity for an individual with the appetite to support the development of a new function, and optimise the support it offers to both our consulting and software development functions.

You can enjoy a career opportunity that extends beyond borders, supported by a local and international team, who are always willing to share their deep and varied expertise.

THE OPPORTUNITY

We are looking for a candidate with expertise in model building and optimisation within actuarial or financial software, in order to provide our team with insightful and actionable intelligence as well as enhancing our software offering and client delivery.

Our ideal candidate is someone who brings a natural passion for efficient data wrangling together with the ability to effectively engage with our clients to understand their business requirements. This provides a link to our consulting team, and ensures transformed data is optimised and fit for purpose.

You will become a subject matter expert in model building, promoting best practice across the Dynamo group of companies, interacting with clients and colleagues alike.

A typical role as a Data Analytics Engineer at Dynamo might include:

- Model building, documentation, monitoring, testing, optimisation using our SQL based software, Psicle.
- Data transformation, ensuring client data is transformed in an optimal manner for application and analysis

- Systems integration and data flow optimisation
- Regular collaboration with clients and colleagues
- Providing relevant training to data analysts, engineers and actuarial colleagues and clients

SKILLS, EXPERIENCE AND ATTRIBUTES

Essential

- Quantitative degree in Mathematics, Computer Science, Engineering or similar subject (with a Merit or above preferable).
- Established and transferable experience in a data-related role within a consultancy environment and/or in the insurance/finance/banking industry (e.g. familiarity with typical claims and reserving concepts).
- Coding and model optimisation skills, including:
 - A strong understanding and some practical experience of SQL as a developer, modeller or tester
 - Ability to quickly develop proficiency with unfamiliar software platforms
 - Drive continuous performance efficiency improvements and adoption of current best practice
 - Collaborating with our development team, contributing to improvements to our proprietary industrialisation platform, Psicle, complementing it with relevant tools where appropriate
 - An understanding of what drives model run time, and how to optimise a model to reduce
- Data transformation skills, including:
 - Data handling, manipulation and preparation, transforming data into a suitable format for data scientists, actuaries and/or other stakeholders
 - Ability to deal with a wide array and sizes of data sources from a variety of clients, from simple spreadsheets to highly complex datasets and very large datasets
 - Experience working with a variety of datasets and data formats, e.g. Json, XMLs
- System integration and optimisation, including:
 - Experience of data storage, manipulation and extraction tools
 - An understanding of data warehousing / data lake concepts with the knowledge of how to specify output to ensure optimal movement towards optimal end-state
 - An understanding of visualisation and other reporting tools with the ability to transform data into the required format and ability to optimise the links between systems
- Collaborative and proactive approach with effective communication skills, including the ability to engage with relevant stakeholders both with clients as well as within Dynamo
- Full right to work in South Africa

Desirable

- Experience working with visualisation tools (e.g. Power BI), building business reports and data visualisations is highly advantageous
- Experience of Alteryx, Tableau, KNIME or similar tools
- Additional coding skills, for example Python, R or similar techniques

- Appreciation and/or knowledge of information security regulations to ensure compliance in the handling and management of data

TEAM FIT

Our values are simple: Expertise, Entrepreneurialism, Selflessness, Heroism and “#ClientLove”. These basic attributes add up to create a driven, motivated and engaged team.

We don't have a typical 'Dynamite' type, and having an identikit team is not what we aspire to. However, there are a few things we do have in common.

- We value having deep expertise and broad knowledge of an area, and rely on our collective expertise to add value to our clients.
- #ClientLove instantly resonates with every one of us in the team, and we each strive to deliver the best possible experience for each client.
- We all want to be a part of something disruptive and new, and want to add our knowledge and skills to shape the way.
- Working with others is our preferred style of getting things done; we're a tightly knit team and help each other constantly, we recognise the uniqueness of all, which combined, together, is what enables exceptional delivery.
- We're self-starters through and through.
- #EmployeeLove, our people are deeply humble humans, that together achieve outstanding success.
- We value drive and tenacity, for the things our people are passionate about – we call this the Dynamo “Spark”.

HOW TO APPLY

Recruitment is a two-way process, so we'd love to know why this could be a great opportunity for you, what you are looking for to advance your career and how Dynamo can support these goals.

To progress your application, please send your CV and cover note to careers@dyna-mo.com.

If you have questions, please add these to your email, so we can discuss as part of the application conversation.

Closing date for applications: 31 October 2021