

Job Advertisement: Data Scientist

1 Opportunity Description

- ❑ Novus3 Pty Ltd's team of professionals provides advisory services and develops solutions for public and private sector clients. The solutions which we develop are aimed at improving our clients' internal processes, providing insights into their data and aligning their decisions with their strategies.
- ❑ Our solutions include cloud hosted web applications, dashboarding and data analytics solutions. The core of our data engineer and data science solutions are scripted utilising R, SQL and Python, whilst PowerBI is currently our primary dashboarding solution.
- ❑ Novus3 has an opportunity for a data scientist with a specific interest in the graphical representation of data. You will be assisting your colleagues and clients to improve their decision making through interpreting data and presenting it through graphs, tables and maps in an appropriate manner.
- ❑ We are looking for a person who likes to take on new challenges, work independently, with a 'can-do' attitude, without needing the aid of a blueprint or manual.
- ❑ For more information on Novus3 or CP3 visit www.novus3.co.za and www.cp3systems.com.

2 Key Responsibilities and Outputs

You will form part of Novus3 analytics team and your key responsibilities and outputs will include:

- ❑ Support and enable primary decision-makers to gain insights from data using dashboards and automated reports.
- ❑ Drive initiatives to discover metrics, trends and patterns that impact various levels of management at our clients.
- ❑ Data engineering process design, mapping and re-engineering.
- ❑ Develop, implement and maintain data pipelines and dataflows from various data sources, include data sourced from files (csv, xlsx, etc), databases (PostgreSQL and other SQL derivatives) as well as APIs.
- ❑ Work and collaborate as part of a team to conceptualise and develop business intelligence solutions. These include dashboards, as well as scripted reports published to PDF, MS Word, Excel, PowerPoint, HTML etc.
- ❑ Implement high quality, well-structured scripts in our dashboarding and data engineering platforms.
- ❑ Facilitate meetings in order to develop requirement and functional specifications for the above-mentioned solutions.

3 Experience Required

- ❑ The role is suited to a person who has strong technical and analytical capabilities, but who are skilled in the interpretation of data and the graphical representation thereof.
- ❑ Experience in data analysis and data science – working knowledge of geographic information systems will be highly beneficial.
- ❑ Advanced level of computer literacy – MS Excel (specifically), MS Word.
- ❑ Good understanding of data modelling and database technologies.
- ❑ Sound and provable experience in SQL and R scripting. As an alternative to R, knowledge of Python will be a requirement.
- ❑ Experience with PowerBI and data visualisation (alternatively knowledge of other BI tools such as Tableau or Qlik).

- Working knowledge of the agile software development process and software development management tools such as JIRA.
- Up to 5 years' relevant work experience.

4 Qualifications

- An appropriate bachelor's degree (Engineering, Commerce or IT-related) cognisant of the preceding stated requirements (certified copies of qualifications to be provided on request).
- Any other qualifications will be beneficial.
- Must be fluent in English (speaking and writing).
- Valid South African drivers' licence.

5 Skillset and competencies

A good candidate for this position can be described as:

- Innovative and enjoys solution development,
- Diligent with attention to detail,
- Analytical with deductive reasoning,
- Writes well and can convey information succinctly and accurately,
- Critical thinker with strong problem-solving capabilities,
- Having the ability to tell stories with data, building a narrative and reducing complexity into simple explanations for non-technical audiences,
- Interested in technology and the application thereof towards achieving efficiencies in processes,
- Having good knowledge of SQL, R and/or Python with a willingness to master scripting languages of which you have not mastered, and
- Skilled at visualising and interpreting data using graphs, maps, and infographics.

Important Note: Shortlisted candidates will be required to participate in a series of short online tests designed to determine level of skill and applicability in relation to some of the above requirements.

6 Work environment and salary

- Novus3 follows a distributed working model and we equip our staff to work productively at any location away from the office. If your home environment is not conducive to working productively, you will be required to from the office full time.
- Our staff may currently work from home but do have access to our office at Lynnwood Bridge, Pretoria, when they need access to boardrooms or at times when it is not convenient to work from home. You might be required to attend meetings at short, but reasonable, notice at our office or the offices of our clients.
- Salaries are market related but will be negotiated based on a candidate's specific experience, qualifications, and skill set.

7 Contact details

All candidates applying for the post should send their CVs to info@novus3.co.za. Application must be submitted by 8 December 2023. We will notify you within two weeks if you application will be considered and if you will be invited to complete any competency tests and interviews. Novus3 reserves the right not to appoint any person for positions advertised.