ROLE PROFILE
Data Engineer

Why do we have this role?
Resonate specialises in providing mission critical systems and data science led solutions, primarily in the transport industry. Our Data Engineer provides and manages the data infrastructure and development environments so that our Data Insights team (and other internal/external consumers of the data) can succeed. Working as a key part of the Data Insights team, you will be responsible for providing this environment and implementing best practice for the storage and processing of large scale data sets. This role sits right at the heart of our data activities, and you'll bring creativity and an appetite to make things work beyond your primary responsibility.

What are the key objectives?
- Own the cloud based infrastructure (AWS) on behalf of the team and the business, working closely with the rest of the Data Insights team to ensure it is fit for their purposes, resilient and secure
- Build and maintain the end-to-end data pipelines and code repositories used by the Data Insights team, aiming for effective automation
- Works as part of the Data Insights team to design effective ways to store and provision the data (e.g. streaming, ETL, schema design/storage patterns, data processing, etc.)
- To be a strong advocate for quality, ensuring that data and common repositories of code are delivered and maintained to a high standard
- Support the team in the development of reusable software components

Top Internal Relationships
1. Data Insights team
2. Architecture team
3. Our IT teams; to deliver effective administration and cost management of the data pipeline

Person Requirements
Profile
- Good communication and appreciation of the team's objectives.
- Recognising the value that data can play in impacting our customers' business.
- A proven ability to systematically approach tasks and to manage multiple, at times changing priorities and expectations
- Strong technical problem solving skills

Competencies
- Data modelling, data engineering, software design, ETL
- Experience/appreciation of machine learning techniques
- AWS experience, ideally with relevant certification:
  o We use a range of data-related services covering streaming/ingestion, storage (various flavours including S3), and services for processing and analysis
  o Familiarity with services such as CloudFormation as our data teams regularly stand up environments for processing and analysis
  o Being able to demonstrate a good understanding of AWS environments, how to make choices about which services to use and an appetite for learning and improvement
- A good understanding of security-by-design and privacy-by-design concepts
- Experience in writing software in one or more languages, ideally Python