



Big Data Engineer, ASX Data Analytics

ASX Position Description

ASX “All Roles Flexible”

ASX offers mutually beneficial flexible working arrangements.
We recognise that employees need to balance work and personal lives.

ASX Opportunity Snapshot		What's On Offer
Role:	Big Data Engineer	ASX has established an ambitious business line to commercialise its datasets through an analytics platform that will sit at the centre of a financial markets data ecosystem.
Reports to:	Platform Manager, ASX Data Analytics	
People Management:	N/A	An exciting opportunity exists for an experienced Big Data Engineer to join this dynamic startup within one of Australia's most recognisable and respected brands.
Budget:	N/A	
Team:	ASX Data Analytics	This key role will be responsible for building the data pipeline for data ingestion, curation and productisation of data science products within the platform.
Date:	January 2019	
Location:	Sydney, NSW	
Flexible Role:	Yes	

What you'll do:

- Build a data pipeline by ingesting, filtering, sorting, joining and/or transforming datasets using Talend to a Cloudera big data platform based on business requirements
- Build the data validation, reconciliation and metadata management components to support data governance and information management processes
- Build APIs and supporting documentation to support the consumption of data utilising enterprise API gateway solutions and Talend
- Integrate with the broader ASX product development team consisting of Data Stewards, Data Scientists and Software Developers in the creation of analytics-based data products
- Build the data models and analytics-ready datasets to support data science and the data product development processes
- Develop unit test cases, detect quality issues, identify their root causes and implement fixes
- Productise and provide operational support for data products developed by ASX or its third party partners
- Implement an end-to-end fully automated data and data science CI/CD pipeline

What you've done:

- Gained at least 3 years' experience in data integration, Java-J2EE development and experience with tools similar to Talend in a data analytics environment
- Worked with big data and data analytics technologies such as Hadoop, Hive, Pig, Spark, Python, Scala, Kafka etc. with a good understanding of software engineering best practices
- Gained a high-level of knowledge and experience in database modelling, data warehousing solutions and dealing with large structured and unstructured datasets
- Obtained practical experience in data transformation and data science programming, parallel processing, ETL tools and some experience with visualisation tools such as Tableau or Spotfire
- Gained broad experience with CI/CD tools and processes, containerisation, data security technologies, cloud automation and microservice technologies
- Achieved tertiary qualifications in software engineering or a relevant field, or equivalent experience
- Built strong relationships with stakeholders in the design and delivery of data and analytics solutions

And if you've got some of this, even better:

- Exposure to financial markets datasets and data use cases
- Working knowledge of data science and data governance principles, tools and techniques
- Operated in a customer-led and commercially-focussed product development team or within a startup

What you need to enjoy and be good at for this role:

- Communicating and collaborating effectively with both technical and non-technical stakeholders
- Taking on broad responsibilities that may change over time in order to launch and mature a new business
- Working in a fast-paced environment where outcomes and priorities can change
- Staying across new technologies and continually learning on-the-job and through self-directed education

Summarising the required skills and capabilities:

Skill / Capability	Required Level
Communication	Medium
Relationship Management	Medium
Learning & Development	Medium
Financial Markets Knowledge	Low
Theoretical Data Science (e.g. data structures)	Medium
Practical Data Science (e.g. data transformation)	High
Technology Engineering	High

ASX provides a broad range of benefits for our employees including generous leave entitlements, leisure and lifestyle benefits, employee education assistance and more: <https://www.asx.com.au/about/benefits.htm>