



Job Ref. No. HRJIC 516
Position: Lead Data Science

Jubilee Insurance was established in August 1937, as the first locally incorporated Insurance Company based in Mombasa in 1937. Jubilee Insurance has spread its sphere of influence throughout the region to become the largest Composite insurer in East Africa, handling Life, Pensions, General and Medical Insurance. Today, Jubilee is the number one insurer in East Africa with over 450,000 clients. Jubilee Insurance has a network of offices in Kenya, Uganda, Tanzania, Burundi and Mauritius. It is the only ISO certified insurance group listed on the three East Africa stock exchanges – The Nairobi Securities Exchange (NSE), Dar es Salaam Stock Exchange and Uganda Securities Exchange. Its regional offices are highly rated on leadership, quality and risk management and have been awarded an AA- in Kenya and Uganda, and an A+ in Tanzania. For more information, visit www.JubileeInsurance.com.

We currently have an exciting career opportunity for a **Lead Data Science** reporting to the **Head of Digital & Innovations** and the position will be based in Nairobi.

Role Purpose

The position holder will be responsible for driving and spearheading Jubilee's Health Insurance Data Management and Business Intelligence solutions in the data science and analytics team. The right individual will possess experience in all stages of project management process (data mining, data analytics, requirements and logical design, physical design, implementation, testing and deployment). He/She will also ensure data consolidation, reports are designed and developed in accordance with specifications and maintain high levels of quality through management of a quality assurance process working closely with information managers and leads.

Responsibilities

1. Oversee design, development and deployment of the ETL Layer to ensure up to date data is available
2. Supporting the data warehouse in modifying datasets as per requirements
3. Supporting initiatives for data integrity and normalization
4. Assessing tests and implementing new or upgraded software and assisting with strategic decisions on new systems.
5. Identify valuable data sources and automate collection processes
6. Undertake pre-processing of structured and unstructured data from different data sources
7. Analyse large amounts of information to discover trends and patterns
8. Build predictive models and machine-learning algorithms
9. Combine models through ensemble modelling
10. Present information using data visualization techniques
11. Maintain detailed and up to date specialist knowledge of data management techniques and tools and implement within the organization as appropriate
12. Propose solutions and strategies to business challenges
13. Collaborate with engineering and product development teams
14. Providing technical expertise on data storage structures, data mining, and data cleansing

Functional skills

1. Data mining techniques using Python, R Programming
2. NoSQL Databases (SysBase, Cassandra, Mongo DB, Couch DB, Apache Hive)
3. Relational Database and SQL Language (PL/SQL)
4. Extraction, Transformation and Loading (ETL)
5. Data Warehouse Solution Design
6. Dimensional Modeling
7. Analytics / OLAP Cube Development (MDX)
8. Reports & Dashboard Development
9. Knowledge of Big Data applications eg Apache Kafka and Hadoop technologies with clear understanding of MapR and HFDS.
10. Strong knowledge of and experience with reporting and data mining packages (Business Objects etc), databases (SQL etc), programming (XML, CSS, HTML, Javascript or ETL frameworks eg Oracle Data Integrator, Informatica PowerCentre, Microsoft – SQL Server Integrated Services (SSIS), Apache Nifi, Oracle Warehouse Builder, Sybase ETL etc)
11. Knowledge of Enterprise reporting tools such as OBIEE, BI Publisher, Tableau, Qlick Sense and Power BI

Qualifications

1. Bachelor's of Science Degree in Computer Science or it's equivalent

Relevant Experience

Minimum of three (3) years' work experience in data science and database design or integration experience with both relational and unstructured databases.

Applications to be sent to Recruitment@jubileekenya.com quoting the Job Reference Number and Designation given above before 24th June 2019.
Only shortlisted candidates will be contacted.