



**Be an
inspiration.
Be Bayer**

At Bayer we're visionaries, driven to solve the world's toughest challenges and striving for a world where 'Health for all, Hunger for none' is no longer a dream, but a real possibility. We're doing it with energy, curiosity, and sheer dedication, always learning from unique perspectives of those around us, expanding our thinking, growing our capabilities, and redefining 'impossible'. There are so many reasons to join us. But if you're hungry to build a varied and meaningful career in a community of brilliant and diverse minds to make a real difference, there's only one choice.

Data Engineer Squad Lead (JO-2409-1094)

Role purpose

// The Data Engineer will be responsible for engineering a DataLake, data management systems and data analytics activities within the South Africa RC Supply Mission. Accountabilities include managing team databases, developing data management systems, securing data quality and integrity, data analysis and developing visualization tools. Leads specific projects within the Data Squad, cross-functionally working with peer squads. Part of Global Data analytics network

Key responsibilities and tasks

// Drive the strategy and implementation of Data-as-an-Asset (DaaA) in our RC Supply Mission.
// Works in the E2E Mission, as part of the Advanced Technology squad for Commercial Seed Production.
// In Dynamic Shared Ownership culture, works cross-functionally with peers in SPI-PR, SPI-QT, Finance controlling, Planning, Foundation Seed with focus on improving the Commercial Seed Production DaaA offering, and intelligence.
// Work as Data Engineer in the field of Decision Science. Create the technical layer from which to extract inferences, insights and analytics. ETL.
// Architect a DataLake from various sources of data. Connect and built into Global systems and squads in this area.

// Responsible for consolidation, summarization, and analysis of production data to drive critical processes such as: Production Research data with Area and Field analysis, Production plant comparison to lab, research. Cost analysis of processes with data, KPIs automated from DataLake.
// Data statistical analysis, Data visualization using data visualization tools.
// Building and validating dashboards using preferred visualization software.
// Process data mining from IT systems and databases.
// Extract actionable insights from raw data, structured and unstructured data.
// Deliver on future vision and strategy for optimized usage of data asset, including ML, AI and outcome prediction.
// Ensure compliance with ISO9001:2015 Quality Management System.
// Participate in compiling Risk assessments and Job safety analysis and ensure compliance.
// Actively record safety observation and near misses Participate in 5WHY problem solving identifying corrective and preventative actions.
// Adhere to all applicable legislation, Bayer safety policies and procedures
// Adhere to requirements of legal appointments
// Actively promote the Bayer safety culture and best practices

Experience, Skills and Qualifications

// BSc or MSc in Computer Science, Data Science, Engineering, Mathematics, Statistics, Biological Sciences, Computational Biology or similar.

// 3-5 years' experience in Data Engineering, Data Analytics, Data Reporting

// Strong programming skills in R, Python, SQL, PowerQuery (M-code, DAX) and others.

// Experience with visualization software such as TIBCO Spotfire, PowerBI, Tableau.

// Proficiency in database design, connections, optimization of engine.

// Experience with data mining and statistical techniques (Logistic Regression, Linear Regression, Decision Trees, etc.).

// Cloud based storage AWS, Google BigQuery, Azure, RPA, process mining, automation, production automation systems advantages

Be part of something bigger:

Link to apply: [Bayer Careers](#)

Advertising Period:
23 September – 7 October 2024

Position grade:
VS1.1

Employment type:
Permanent

Location:
Lichtenburg

////////// Health for all, Hunger for none.

Bayer welcomes applications from all individuals, regardless of race, national origin, gender, age, physical characteristics, social origin, disability, union membership, religion, family status, pregnancy, sexual orientation, gender identity, gender expression or any unlawful criterion under applicable law. We are committed to treating all applicants fairly and avoiding discrimination.

