Job Title: **DATA ARCHITECT**

SUMMARY
Provides a standard common business vocabulary, expresses strategic data requirements, outlines high level integrated designs to meet these requirements and aligns with enterprise strategy and related business architecture.

ESSENTIAL FUNCTIONS
- Manages team to provide a logical data model as a standard, with elements and business rules as required.
- Drives the Information Technology discipline on designing, creating, deploying and managing an organization's data architecture.
- Ability to drive with a strong knowledge of data modeling and database design with a team, including conceptualization to database optimization.
- Manages relationship with external vendors and manages contracts within the Company.
- Delivers metrics for IT Management as requested
- Sets standards for data management, analyzes current state and directs teams to map the systems and interfaces in emerging technologies.
- Leads team to organize data at both a high level and minute levels.
- Effectively demonstrates expertise in defining which data will be stored, consumed, integrated and managed by different applications and functions.
- Utilizes knowledge and experience in emerging technologies particularly: Columnar and NoSQL, AWS, Hana S/4, Predictive Analytics, Data Visualization and unstructured data.
- Effectively drives a data driven decision making culture.
- Defines logical data model as a standard, with elements and business rules as required and influences applications and interfaces, and serves as a resource for application teams.
- Works with the business to create simple user access for insights.
- Collaborates with IT Architects to develop and execute data architecture principles.
- Ability to drive and effectively deliver new standards in Data.

SUPERVISORY RESPONSIBILITIES
Participates in the review and evaluation of personnel performance. Acts as senior-level mentor to technical staff and experienced management.

QUALIFICATIONS
To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge,

skill, and ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

MINIMUM QUALIFICATIONS
- High school diploma or State-issued equivalency certificate.
- Bachelor's degree in Computer Science, Business Administration, MIS, Mathematics, or Engineering plus 8 years of experience spanning at least two IT disciplines, including technical architecture, network management, application development, middleware, database management, business intelligence or operations reflecting increasing levels of responsibility; or 12 years of experience spanning at least two IT disciplines, including technical architecture, network management, application development, middleware, database management, business intelligence or operations reflecting increasing levels of responsibility.
- Data modeling, AWS, Hana S/4 Experience Vision and Strategy experience

PREFERRED QUALIFICATIONS
- Master's degree in Computer Science, Business Administration, MIS, Mathematics, or Engineering.
- Understanding of Data Architecture, including conceptualization to database optimization.
- Strong working knowledge of Data Modeling and Database Design, and the ability to drive this skill within a team.
- Ability to influence, emphasize methodologies, modeling and governance.
- Knowledge of all components of an enterprise technical architecture.
- Experience with MS Word, MS Excel and MS PowerPoint.
- Experience reading, analyzing, and interpreting common scientific and technical journals, financial reports, and legal documents.
- Strong understanding of network architecture and application development methodologies
- Exposure to multiple, diverse technologies and processing environments
- Strong SQL experience and skills.
- Experience with Spark and Hadoop ecosystems and Data Retention Policies. Understanding of emerging technologies, development platforms and hardware platforms.
- Possesses a passion for technology and its impact on the enterprise, customers and consumers along with a breadth of experience that can balance business, application and operational requirements.
- Experience effectively presenting information to top management, public groups, and IT stakeholders.
- Strong understanding of systems and "systems thinking" with the ability to make trade-off decisions to accomplish system-wide goals.
- Excellent written and verbal communication skills.
- Excellent planning and organizational skills.

- Comprehends the functions and capabilities of new technologies.
- Skilled in balancing long-term and short-term perspectives of challenging situations.
- Skilled in translating business needs into enterprise architecture requirements.
- Skilled in applying multiple technical solutions to business problems.
- Remains unbiased toward any specific technology or vendor choice.
- Excellent analytical and technical skills.
- Strong leadership skills.
- Skilled in navigating complex political situations to ensure successful change management.
- Exceptional interpersonal skills, including teamwork, facilitation and negotiation.
- Demonstrates strong technical thinking and developed high credibility with the technical community. Recognized by the IT community as someone who solves complex technology related business problems.

PHYSICAL DEMANDS
The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is frequently required to sit. The employee is occasionally required to stand and walk.

WORK ENVIRONMENT
The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

The noise level in the work environment is usually moderate.