INFORMATION TECHNOLOGY POSITIONS

POWERING YOUR POTENTIAL

SOFTWARE ENGINEER

» Develops software solutions by studying information needs; conferring with users; studying systems flow, data usage and work processes; investigating problem areas; and following the software development lifecycle.

» Uses knowledge of multiple architectures and how to apply architecture to solutions, programming and testing standards, and industry standards for traditional and Agile development.

» Defines applications and their interfaces, communicates requirements for interactions with solution context, and define Nonfunctional Requirements (NFRs).

CYBERSECURITY ENGINEER

» Supports systems engineering and software systems research to develop new capabilities, ensuring cybersecurity is fully integrated in the design.

» Conducts vulnerability scans and recognizes findings in systems.

» Identifies systemic security issues based on the analysis of vulnerability and configuration data.

CYBERSECURITY RISK ANALYST

» Builds an understanding of Cummins Inc. cybersecurity policies and industry data privacy principles.

» Participates in cybersecurity risk identification, utilizing identified Cummins risk management frameworks, while working with the team to evaluate severity and mitigation plans.

» Applies knowledge of frameworks and standards (e.g. NIST, ISO, ITIL, Cobit) in a manner specific to Cummins processes and controls.

DATA SCIENTIST

» Creates individual algorithms using statistical methodologies through the use of statistical programming languages and tools.

» Leverages statistical and predictive modeling concepts in the research, design, implementation and validation of algorithms; to analyze diverse sources of data to achieve project specific outcomes.

DATA ANALYST

» Analyzes diverse data sets to identify data quality, coherency and integrability issues and reduce data redundancy.

» Applies machine learning and machine learning tools on data and metadata to improve data quality.

» Conducts descriptive and diagnostic analytics on data sources and develops data profiles for data tables and elements in the data lake.

» Collaborates to develop data cleansing methods and rules.

DATA ENGINEER

» Implements and automates deployment of our distributed system for ingesting and transforming data from various types of sources (relational, event-based, unstructured).

» Develops reliable, efficient, scalable and quality data pipelines with monitoring and alert mechanisms that combine a variety of sources using ETL / ELT tools or scripting languages.

» Analyzes complex data elements and systems, data flow, dependencies, and relationships to contribute to conceptual physical and logical data models.

IT ARCHITECT

» Applies enterprise architecture standards including styles, stacks and patterns, and applies them effectively.

» Coordinates with project teams to create, document, assess and/or validate the application and infrastructure solution designs for specific systems.

» Participates as a change agent to drive strategic IT architecture direction.

» Builds and maintains awareness of emerging technologies, software trends, and tools.

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IT TECHNICAL ANALYST

» Assists in technical analysis of potential solutions including evaluating the technical fit.

» Participates in formal design and code reviews to ensure the detailed design specifications adhere to our guidelines and strategy.

» Assists in creating design of infrastructure, applications, interfaces, and/or reports while meeting architecture, security, performance, scalability, and maintainability requirements.

IT APPLICATIONS ANALYST

» Partners with multiple teams such as business analysts, architects, technical experts and software vendors to ensure IT applications effectiveness.

» Develops expertise in emerging application and solution trends and functionality.

» Provides functional recommendations for assigned applications and systems.

IT QUALITY ASSURANCE ANALYST

» Develops functional and technical test methodologies, plans, scenarios and cases for testing of applications and systems at various stages of development and implementation.

» Coordinates and executes testing to ensure quality solutions and efficient system performance.

» Reports testing results and tracks resolution of issues identified during testing.

IT BUSINESS ANALYST

» Partners with business functions to define, determine, analyze and document business requirements and priorities.

» Works with application and technical experts on the solution design, implementation, support, maintenance and enhancements.

» Facilitates issue trend analysis and root cause analysis, while promoting proactive detection of issues before they cause business disruption.

IT DEVELOPER

» Applies secure coding and UI standards, and best practices to develop, enhance, and maintain IT applications and programs.

» Assists with efforts to configure, analyze, design, develop, and maintain program code and applications.

» Performs unit testing and secure code testing, and issues resolution.

IT OPERATIONS SUPPORT SPECIALISTS

» Performs routine maintenance, authorized changes and upgrades to existing systems.

» Conducts root cause analysis for issue identification and resolution.

» Performs preventative maintenance on IT systems and networks; monitors system performance and accuracy.

» Facilitates new employee technology setup, including computer setup and delivery, and system access.

DATABASE ADMINISTRATOR

» Applies knowledge of database management through monitoring databases and equipment ensuring expected results are attained.

» Ensures database stability and reliability by following version change controls and procedures.

» Ensures data integrity, security and disaster recovery by assisting with regular database backup; and restore procedures, and following access and integrity controls.

PROJECT COORDINATOR: IT

» Employs knowledge of effective project management and general business understanding.

» Maintains project notes, databases, and other records; monitors and communicates project status to project team.

» Assists with managing project risk, budget planning and tracking, research, and analytical support.

» Documents and shares team learnings with other teams; draws on other experiences to enhance the success of the project.

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