



Information Technology positions

SOFTWARE ENGINEER

- Develop 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.
- Use knowledge of multiple architectures and how to apply architecture to solutions, programming and testing standards and industry standards for traditional and Agile development.
- Define applications and their interfaces, communicate requirements for interactions with solution context, and define Nonfunctional Requirements (NFRs).

CYBERSECURITY ENGINEER

- Support systems engineering and software systems research to develop new capabilities, ensuring cybersecurity is fully integrated in the design.
- Conduct vulnerability scans and recognizes findings in systems.
- Identify systemic security issues based on the analysis of vulnerability and configuration data.

CYBERSECURITY RISK ANALYST

- Build an understanding of Cummins cybersecurity policies and industry data privacy principles.
- Participate in cybersecurity risk identification, utilizing identified Cummins risk management frameworks, while working with the team to evaluate severity and mitigation plans.
- Apply knowledge of frameworks and standards (e.g. NIST, ISO, ITIL, Cobit) in a manner specific to Cummins processes and controls.

DATA SCIENTIST

- Create individual algorithms using statistical methodologies through the use of statistical programming languages and tools.
- Leverage 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.

INFORMATION TECHNOLOGY POSITIONS

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, 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

- Apply knowledge of database management through monitoring databases and equipment to ensure 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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