

Job Description for Software Engineer - DevOps - CoreTechs®

Job Status: Exempt, Full Time

Reports to: Director of Engineering

The Company

Gray Matter Analytics is a rapidly growing early-stage company headquartered in Chicago, with offices in New York. Gray Matter Analytics Value-Based Care (VBC) Analytics Solutions provide value in three distinct ways.

- We partner with customers to deliver tailored solutions to optimize value-based care performance through our advisory and implementation services.
- We leverage a catalog of measure calculations and advanced analytic models, together with predictive insights to accelerate value through our business solution accelerators.
- Our solutions are delivered using our cloud-native, highly configurable CoreTechs® engine.

We transform healthcare organizations into data and insights-driven enterprises. We bring the right insights to the right stakeholder at the right time to improve decision making and outcomes, and lower cost, improve quality and enhance VBC performance.

The Position

The Software Engineer - DevOps will be a member of CoreTechs® Product Engineering and Operations team reporting to the Director of Engineering. As a member of the team that is building the CoreTechs® product and deploying solutions for our clients, you will play a significant role and partner with different teams to ensure development, testing and deployment of the CoreTechs® product.

Essential Job Functions

- Design, implement and manage system deployment for the CoreTechs® product
- Apply CI/CD best practices, deployment pipelines and test automation frameworks to enable frequent, high-quality releases
- Design, develop, implement, and manage infrastructure and tooling for engineering, data science and deployment teams using DevOps methodologies
- Coordinate with the development team to streamline code deployment
- Integrate and deploy a wide variety of open- source technologies and cloud services

- Manage production, maintain system-wide health and proactively seek out potential issues and solutions with component teams
- Understand and adhere to the operational processes ensuring auditability and compliance with industry standards (Incident, Problem, Change Management)
- Proactively and continuously drive system-wide quality improvements by undertaking thorough root cause analysis for major incidents with component engineering teams
- Monitor resource utilization and plan for growth
- Enable and ensure the security, availability, performance, scalability, and automation of our infrastructure
- Ensure reliable and ongoing measurement, monitoring and optimization of our infrastructure
- Be vigilant and aware of new security threats. Make recommendations and implement new security technologies and policies.
- Participate in the agile planning process
- Collaborate with team members to improve the company's engineering tools, systems and procedures, and data security

Qualifications & Desired Skills

- 3+ years of work experience focused on infrastructure/DevOps engineering and production support
- Strong experience with cloud infrastructure management tools
- Working knowledge of software development best practices (Source Code Control, Testing, Documentation, etc.)
- Outstanding performance tuning and troubleshooting skills
- Experience with using and/or deploying:
 - Cloud Platforms (AWS, Azure, GCP)
 - Linux systems administration, including installation of systems, software and configuration
 - Deployment, Containerization, Workflow (Terraform, Terragrunt, Docker, Kubernetes, Airflow)
 - Code Management Tools (Git/GitHub/Bitbucket)
 - Programming / Scripting (Python, Bash, Korn Shell, JavaScript)
 - Automation tools and frameworks (CI/CD pipelines)
 - Databases (SQL and NoSQL databases)
 - Markup Languages (JSON, XML)
 - Requirements management and agile tools (Jira)
 - Hadoop, Spark, Kafka
- Experience with Scrum or Agile Methodology
- Systems tests for security, performance, and availability
- Network stack, protocols, network management and monitoring tools

- Strong problem-solving skills and attention to detail
- Excellent communication skills with the ability to work in a team environment

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