test environments; develops logging, monitoring and alerting systems; crafts accurate and readable documentation for internal and external use; plans for high availability and disaster recovery.

REPRESENTATIVE DUTIES:

The following duties are examples of assignments performed by incumbents in this classification. It is not a totally comprehensive list of duties, nor is it restrictive regarding job assignments.

ESSENTIAL DUTIES:

Works within the data and analytics engineering and other development teams as a resident expert in the areas of cloud systems and networking within and between private and public cloud systems, including detailed implementation and troubleshooting within cloud ecosystems such as Microsoft Azure, as well as integration between different systems on disparate cloud data platforms.

Works within the agile engineering process in close collaboration with other engineering efforts necessary to deliver new or enhanced systems into production.

Leads the evaluation of new technology from a system, network integration, and future production support perspective.

Designs, implements, documents, and maintains a software defined infrastructure.

Automates cloud native technologies, deploys applications and provisions infrastructure.

Implements and maintains the DevOps systems needed to support the agile software development and integration work, including the source control platform, continuous integration, and continuous delivery (CI/CD) workflows and tools, and automated code and configuration deployments.

Sets up the continuous integration and deployment (CI/CD) pipeline and other DevOps related solutions for full stack cloud development using cloud based data platform and services; sets up test and production environments; sets up code progressions tools such as GitHub.

Works with software and QA engineers to integrate automated testing; ensures code backups; automates the setup and deployment of code and systems changes to development and production envio(r1on)3

Prepares solutions for production; ensures system and network configurations are well documented; ensures the implementation design includes the needed security, logging, alerting, and monitoring.

Installs, configures, maintains,