DevOps Transformation (Post Acute Care Industry)

Complete DevOps Transformation

Challenges:

- DevOps was non-existent, all deployments were manual, and No CI/CD
- No Infra is defined as code-creating issues for deployment environment creation or account migration.
- Infrastructure non-scalable.
- No Code platform is used for DevSecOps, but provisioning via this platform is manual.

Solution:

Intel-CS Team built a new-age platform that:

- Defined the whole infrastructure as code using Terraform.
- Deployed on scalable infrastructure using Kubernetes.
- Introduced Zero trust security.
- Provided thought leadership in DevOps and built it from scratch to ensure that the organization emerged as an 'Elite DevOps performer' based on DORA metrics.
- A web application and related APIs were delivered too.
- Provisioned peripheral components like Kubernetes, Kafka, and RD.
- Built CI/CD pipelines using CircleCI, infrastructure on Kubernetes, and AWS using Terraform.

The Platform Developed:

- Entire infrastructure stack provisioning for Platform 2.0 (using Terraform)
- Jenkins pipelines for all the Platform 2.0 and 1.0 services and UI 2.0 services.
- Seamless deployments of workflows via Jenkins using workflow definitions defined as yaml (Phase 1)
- Implement mTLS for internally facing APIs as a step towards Zero trust.
- Technology: Jenkins, Terraform, Docker, Kubernetes, AWS, Temporal, Kafka, Node.js, Gradle

Benefits:

- Speed of deployments and infrastructure increased by 30%
- Better release management process
- Enhanced security and gaining customer
- Cost reduced by 30%

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