



80% Infrastructure Cost Reduction

ABOUT THE CLIENT

The client is a US-based software startup working on the advancements in genomics diagnostics and therapeutics.

A US-based Healthcare startup turned to Greg Solutions with a request to help optimize their infrastructure cost to reduce expenses. They also needed our assistance with Continuous Integration & Continuous Delivery and other tools that would make their infrastructure more secure and reliable, such as centralized application logging and an advanced alerting system that would notify of the arising issues.

GOALS

1. Decrease the client's AWS infrastructure cost.
2. Enable Continuous Integration and Continuous Delivery for various application types
3. Improve infrastructure stability security.
4. Implement centralized application logging.
5. Introduce alerting and notifications for the operational team.



Healthcare

NAME UNDER NDA

RESULTS

Decreased the client's infrastructure expenses by 80%

Using Amazon EC2 spot instances, scheduled background workers and infrastructure optimization.

Developed unified CI/CD processes

For mobile and server applications.

Improved software stability and audibility

By adding centralized logging and enabling error alerts.

Improved the disaster recovery process

With the help of encrypted snapshots of the client's critical data.

Designed a secure way of running EMR jobs

On the encrypted storage.





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TECHNOLOGY STACK



AWS



AMAZON CODECOMMIT

maven MAVEN



AMAZON CLOUDTRAIL



AMAZON EMR



AMAZON ECS



TEAMCITY



JENKINS



AMAZON ECR



APACHE HADOOP



OPENVPN



NGINX



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ANSIBLE



JAVA



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