Cloud Deployment Diagram

A screenshot of a computer

Description automatically generated

Rationale:

I decided to use the Blue Green Deployment pattern as it makes it so that the chatbot will remain online even though the database is constantly updated due to daily sales. Minimizing the downtime means that these changes to the database will not prevent a user from requesting a quote for a car or scheduling a repair. This also makes it easy to revert any changes as if there is a server to roll back to if data is determined to be invalid. Additionally, the load balancer direct network traffic to whichever deployment is currently the active version of the chatbot, while the other version can be updated for the next iteration.