# **GoFCar**

**AWS DEPLOYMENT**

**AWS ARCHITECTURAL DIAGRAM**

**A screenshot of a map

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**AWS EC2 Instance Details:**

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**AWS R53 for Domain Name Service for our Application:**

We are serving our application from the DNS provided by AWS R53 as shown below:

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**Created AMI as backup for the instance on which our application is running which is used for auto scaling in case our application gets terminated thus ensuring High Availability and Auto-Scaling :**

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**Created Load Balancer:**

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**Pointed the Load Balancer to the target group with the appropriate security group:**

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**Created Auto-Scaling Group to scale our application dynamically in response to demand**

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**The Launch Configuration for instance in Auto Scaling is set up as shown below:**

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**AWS Cloudwatch Alarm for CPU Utilization**

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**A screenshot of a computer

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**AWS Simple Notification Service(SNS)**

Using Amazon SNS for system-to-system messaging with an HTTP/s endpoint as a subscriber

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**A screenshot of a social media post

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**MongoDb Instance**

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**Mongodb Database and Collections:**

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**Vehicle Collection**

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**Rental Location Collection:**

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**Vehicle Type Collection:**

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**Reservation Collection**

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