# **GoFCar**

**Architectural Diagram and Software Components**

**Software Components and their Public Interfaces and Dependencies between Components:**

The technologies we used to build our application – GoFCar are:

* **Nginx:** We used Nginx as a reverse proxy server in front of our application servers because it is light weight and delivers high performance. It takes care of SSL Encryption and load balancing by serving contents quickly.
* **Linux AMI:** We used AWS EC2(Amazon Linux AMI) for deploying our application.
* **React:** The User Interface of our application is served using Javascript Library React.
* **Java:** We are using Java as our applications backend implementation.

**A close up of a sign

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**The Development Stack for our application:**

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**We are using Nginx as a reverse proxy server in front the application servers:**

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**Used Nginx to serve our frontend React code and also as a reverse proxy for the backend Java code.**

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**Deployment Diagram:**

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**AWS Architectural Diagram:**

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**Component DiagramA close up of a map

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**Use Case Diagram for Admin and Customer:**

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**GoFCar Class Diagram**

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