Client Situation: Loyalty Based Platform for Banking and Travel Customers
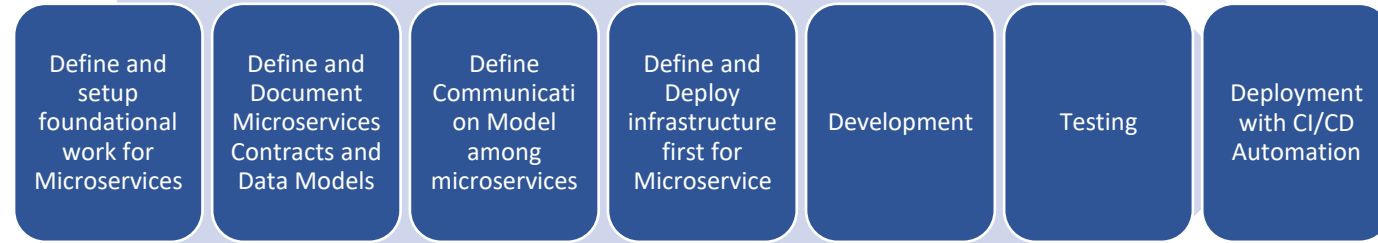
Problem Statement:

- The company loyalty platform serves retail and wholesale customer across various banks, flights and hotels. Every institution had its own hosted application and maintained by separate pool of developers.
- Core Logic is maintained at different places by different teams leading to duplicate efforts and difficult in percolating Organization wide decisions.
- Customer Centric Advance Analytics was not accurate because of various discreet systems, their different data formats and structures.
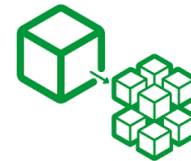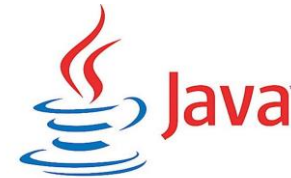- Lot of effort was going on in maintaining DWH activities

Our Solution:

- Multi-tenant microservices design for members, memberships, service requests cashback events etc.
- Each Core logic is served by one Microservice maintained by a single pool of developers
- Container Based Solution on AWS
- Event Based Microservices Communication Model
- Data Migration and Efficient ETL for DWH with single traceability from web interfaces to microservices to warehouse tables.
- Efficient and reusable DevOps work around automated deployment and code maintenance.
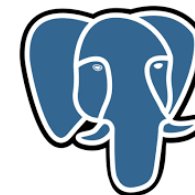- Security framework designing and penetration testing.

Our Approach

| Define and setup foundational work for Microservices | Define and Document Microservices Contracts and Data Models | Define Communication Model among microservices | Define and Deploy infrastructure first for Microservice | Development | Testing | Deployment with CI/CD Automation |

Technologies Used:

Microservices