**Microservices E-Commerce Project**

* This is a scalable and containerized E-commerce application built using Go (Golang), designed with microservices architecture and deployed on AWS EKS (Elastic Kubernetes Service).
* The project is automated using a CI/CD pipeline with Jenkins and the services are containerized using Docker.

**Tech Stack:**

* Backend: Golang (Go)
* API Gateway: Nginx
* Database: MySQL
* Containerization: Docker
* Orchestration: Kubernetes (AWS EKS)
* CI/CD Pipeline: Jenkins

**CI/CD Pipeline using Jenkins:**

* **Code Commit**: Developers push code to GitHub/GitLab.
* **Jenkins Build Trigger**: Jenkins detects changes and triggers the pipeline.
* **Build & Test**:
* Golang unit tests
* Build Docker images
* **Push to Docker Registry**: Images are pushed to Amazon ECR/DockerHub.
* **Deploy to EKS**: Kubernetes applies updated deployments.