

# PROJECTS IN BATCH-6

node.js™



Maven™



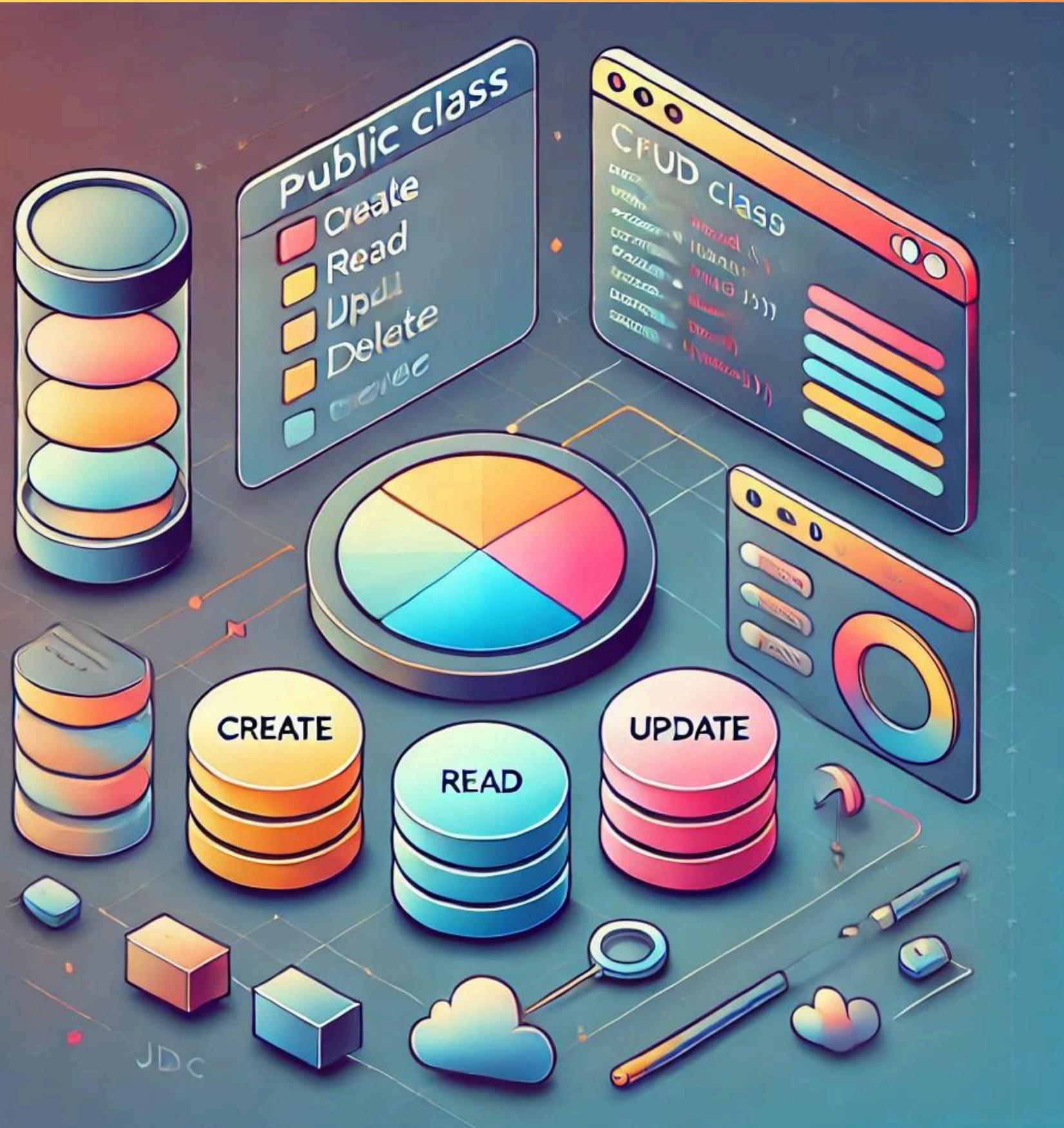
# 1.CRUD Java Full Stack

## Application

**TECH STACK: SpringBoot Java**

### **Tasks:**

- Set up CI/CD pipeline with Jenkins
- Integrate code quality checks with SonarQube
- Perform security scanning using Trivy
- Containerize application with Docker
- Deploy to Kubernetes on EKS,AKS,Self-Hosted K8





# 2. NodeJs Full Stack Application

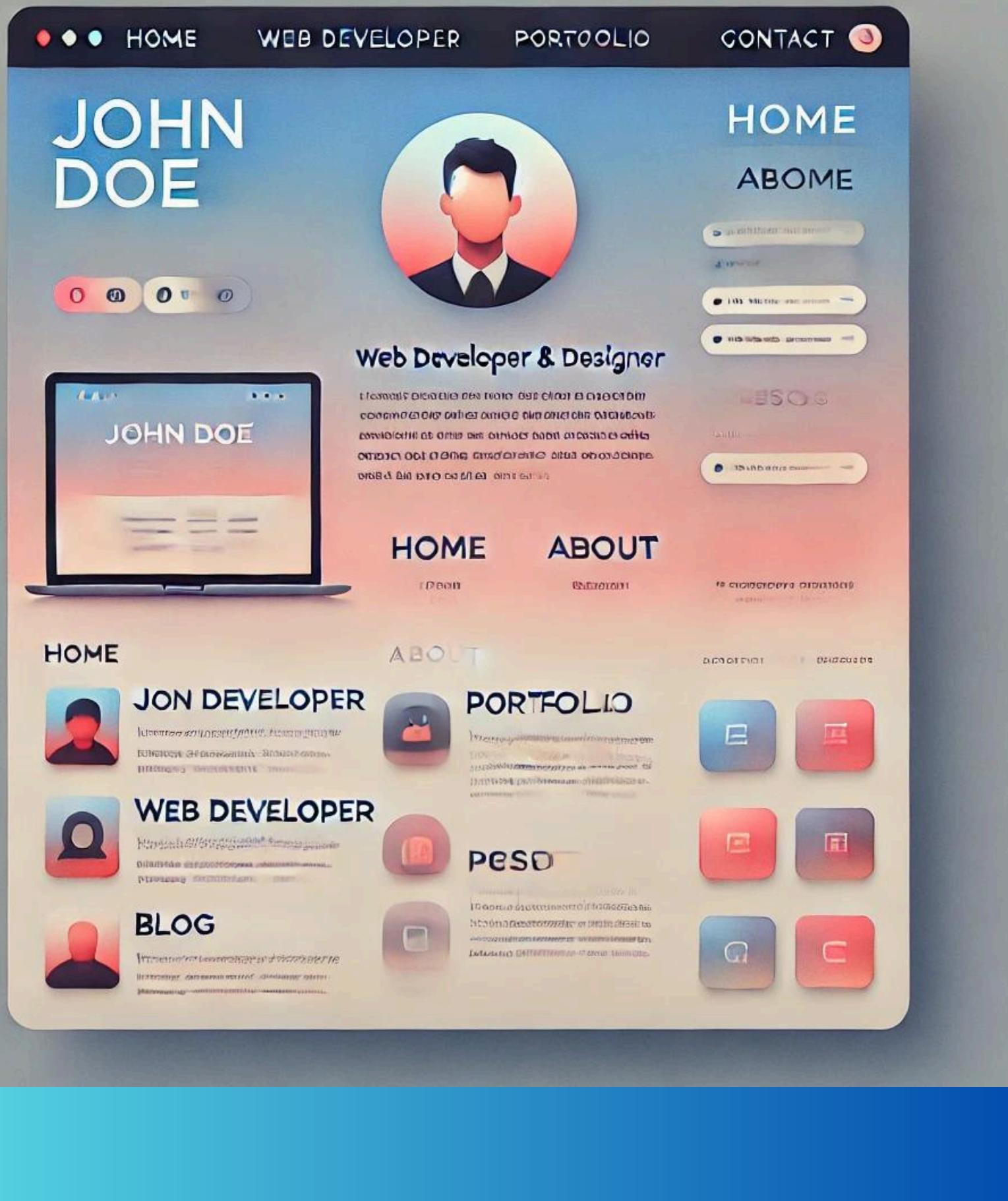
# **TECH STACK: Nodejs , MongoDB**

## Tasks

- Set up CI/CD pipeline with Jenkins, Gitlab CiCd
  - Integrate code quality checks with SonarQube
  - Perform security scanning using Trivy
  - Containerize application with Docker
  - Deploy to Kubernetes on EKS, AKS, Self-Hosted K8



# 3. Portfolio Website



**TECH STACK: PHP,JavaScript,HTML**

## **Tasks:**

- Set up CI/CD pipeline with Jenkins, Gitlab CiCd
- Integrate code quality checks with SonarQube
- Perform security scanning using Trivy
- Containerize application with Docker
- Deploy using Docker-Compose



{.js}  
JavaScript

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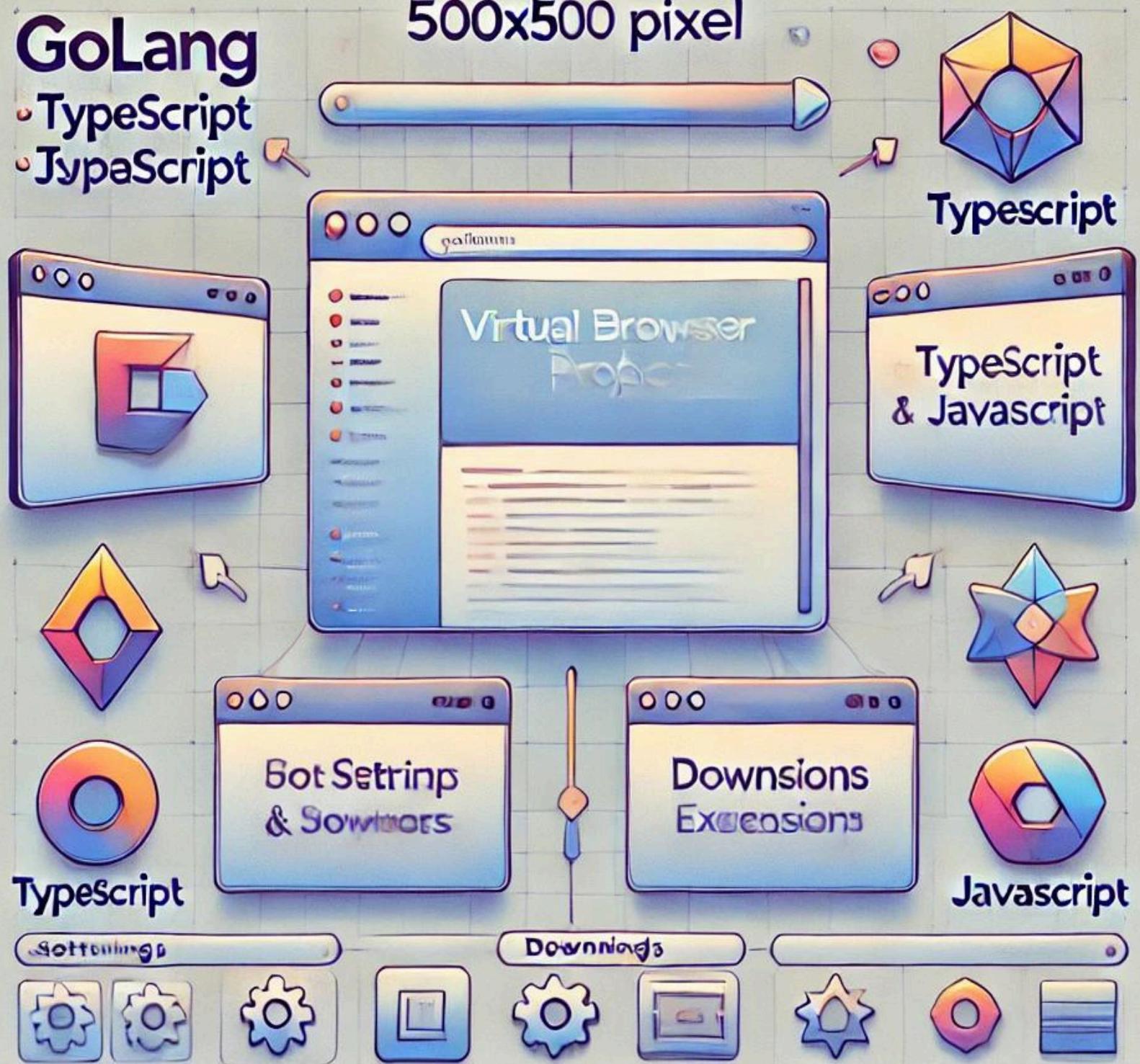
## 4. Virtual Browser

### Virtual Browser Project

GoLang

- TypeScript
- JypaScript

500x500 pixel



**TECH STACK:** Golang,TS,JS

**Tasks:**

- Set up CI/CD pipeline with CICD Tool
- Integrate code quality checks with SonarQube
- Perform security scanning using Trivy
- Containerize application with Docker
- Deploy using Docker-Compose



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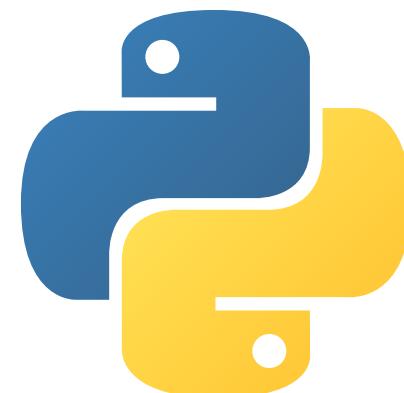
	Actions
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# 5. Multi-Tier Flask + PostgreSQL Application

**TECH STACK:** **python,Postgres**

**Tasks:**

- Set up CI/CD pipeline with CICD Tool
- Integrate code quality checks with SonarQube
- Perform security scanning using Trivy
- Containerize application with Docker
- Deploy using Docker-Compose
- Deploy to Kubernetes



PostgreSQL

# 6. Multi-Tier NodeJS + MongoDB Application

# **TECH STACK:** NodeJS, MongoDB

## Tasks:

- Set up CI/CD pipeline with CICD Tool
  - Integrate code quality checks with SonarQube
  - Perform security scanning using Trivy
  - Containerize application with Docker
  - Deploy using Docker-Compose
  - Deploy to Kubernetes

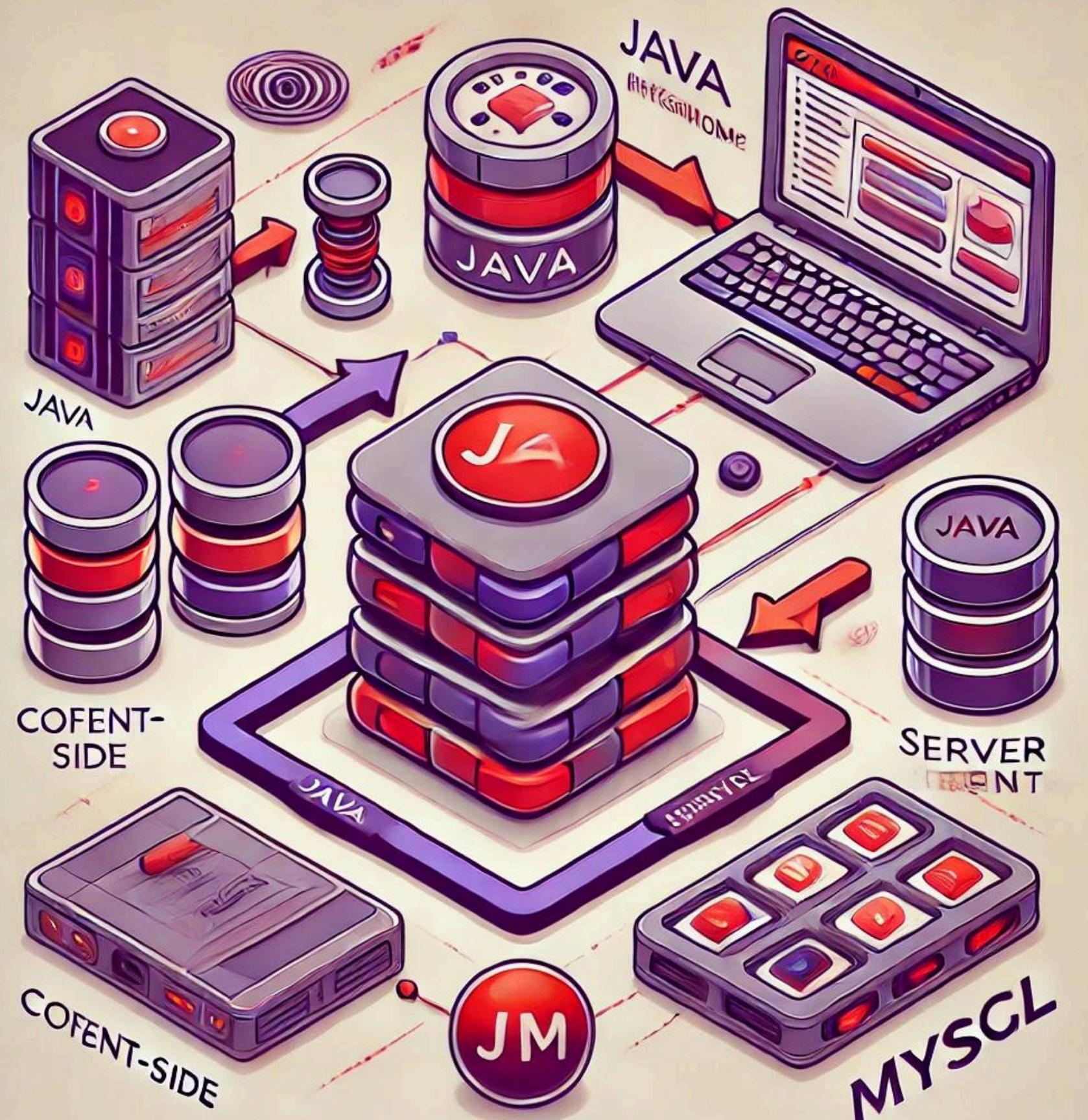


# 7. Multi-Tier Java + MySQL Application

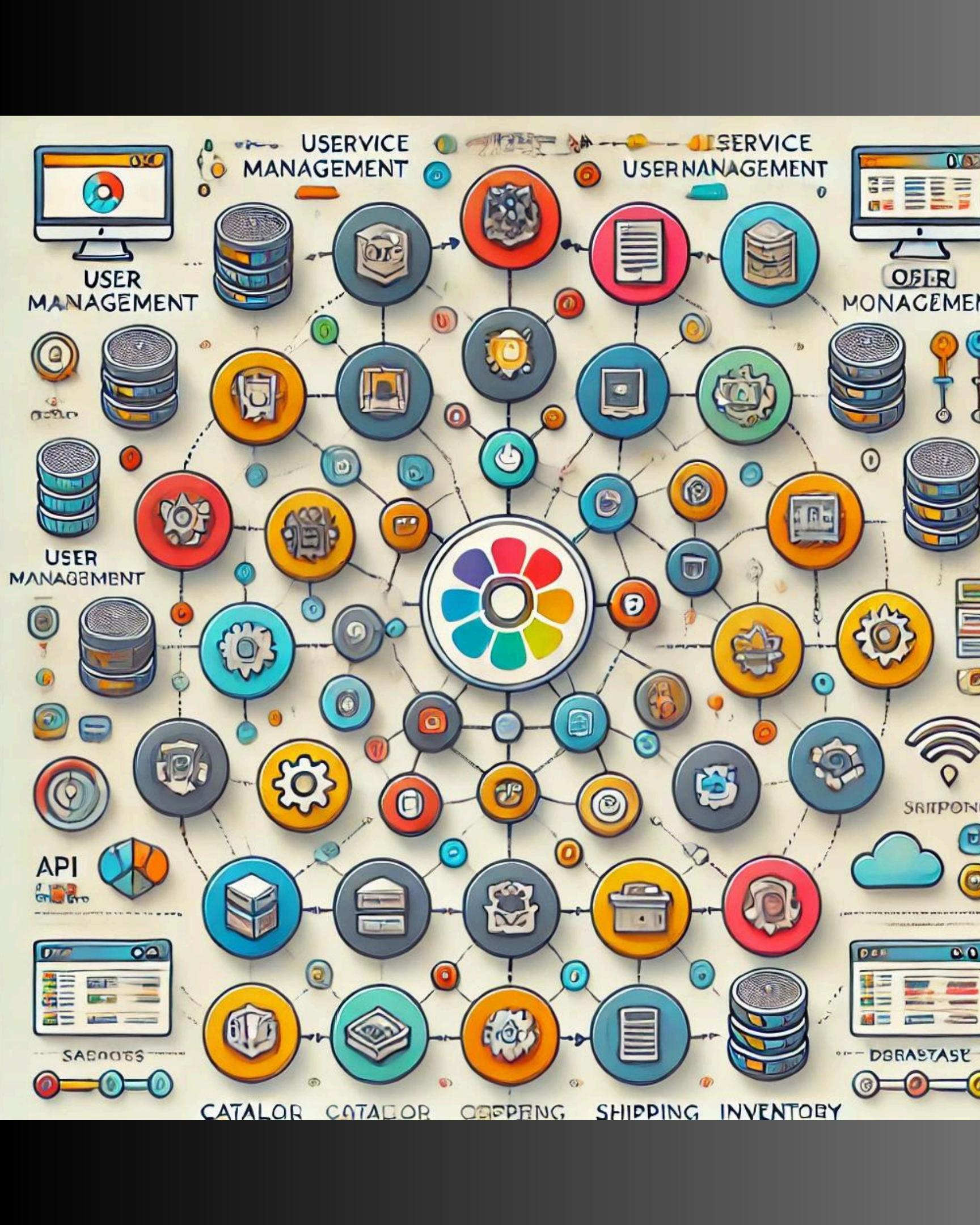
**TECH STACK:** Java,MySQL

**Tasks:**

- Set up CI/CD pipeline with CICD Tool
- Integrate code quality checks with SonarQube
- Perform security scanning using Trivy
- Containerize application with Docker
- Deploy using Docker-Compose
- Deploy to Kubernetes



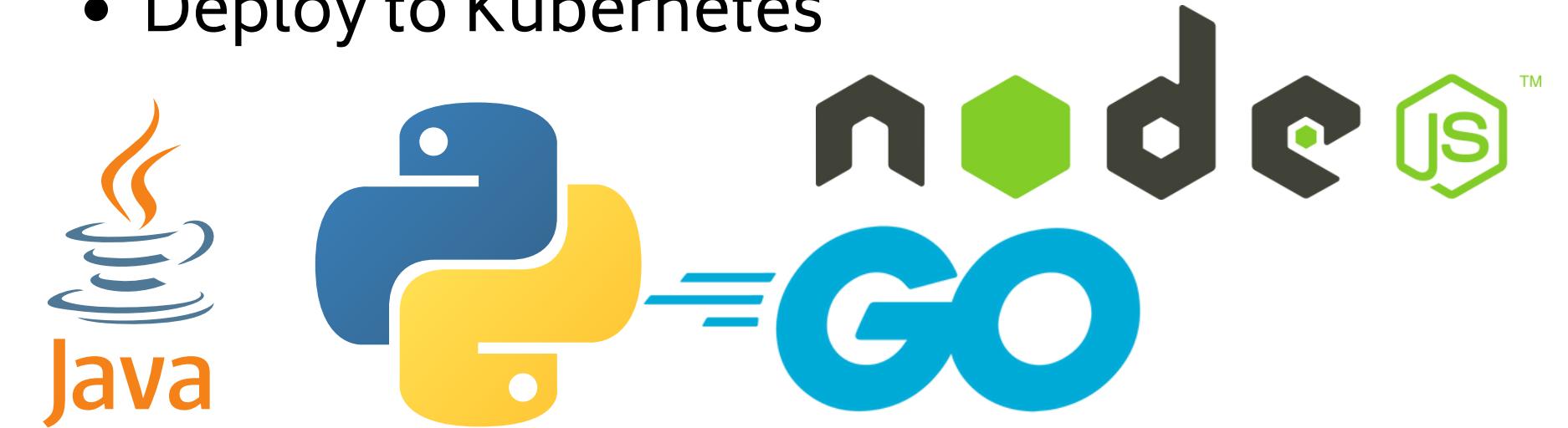
## 8. Microservice Application (10 microservices)



### TECH STACK: Multiple Languages

#### Tasks:

- Set up CI/CD pipeline with CICD Tool
- Integrate code quality checks with SonarQube
- Perform security scanning using Trivy
- Containerize application with Docker
- Deploy using Docker-Compose
- Deploy to Kubernetes



# 9. Real World Java Application



## TECH STACK: Java

## Tasks

- Set up CI/CD pipeline with CICD Tool
  - Integrate code quality checks with SonarQube
  - Perform security scanning using Trivy
  - Containerize application with Docker
  - Deploy using Docker-Compose
  - Deploy to Kubernetes



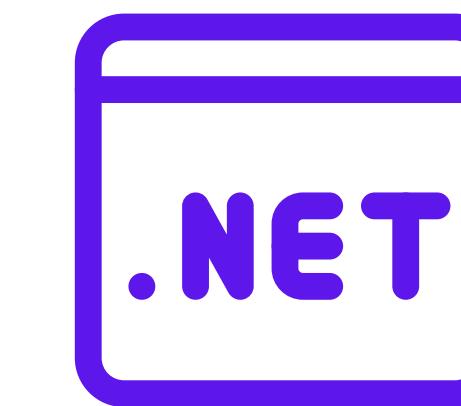
# 10. .NET Based Monitoring Application



## TECH STACK: DotNET

### Tasks:

- Set up CI/CD pipeline with CICD Tool
- Integrate code quality checks with SonarQube
- Perform security scanning using Trivy
- Containerize application with Docker
- Deploy using Docker-Compose
- Deploy to Kubernetes



# 10. Python Based Monitoring Application

## TECH STACK: DotNET

### Tasks:

- Set up CI/CD pipeline with CICD Tool
- Integrate code quality checks with SonarQube
- Perform security scanning using Trivy
- Containerize application with Docker
- Deploy using Docker-Compose
- Deploy to Kubernetes

