DevOps Test Assignment: Kubernetes RBAC & AWS RDS Integration

Welcome! This assignment will let you showcase your Kubernetes and AWS skills, specifically in configuring RBAC for secure access to multi-environment workloads and integrating with AWS RDS.

Objective

Configure Kubernetes Role-Based Access Control (RBAC) to manage permissions for two environments (Staging and Production) and two roles (Developer and Admin). You'll also set up secure access to external AWS RDS resources for each environment.

Namespace =>	Staging	Production
Developer	Full Access	No access
Admin	Full Access	Full Access

*Bonus AWS RDS Access:

- Configure secure access to RDS instances for each environment.
- Use Kubernetes Secrets to store RDS credentials, with separate secrets for Staging and Production.

Deliverables

- **RBAC Configurations**: Set up permissions for each role in the appropriate namespace.
- **Kubernetes Secrets**: Configure secrets for RDS access.
- **Repository Submission**:
  - Submit all code in a GitHub repository.
  - If your repository is public, please share the link.
  - If it's private, add the user *vlaskinvlad* as a collaborator.

Bonus

Consider including any best practices you'd recommend for RBAC and secret management in Kubernetes.