WELCOME TO

PROJECT PERSENTATION

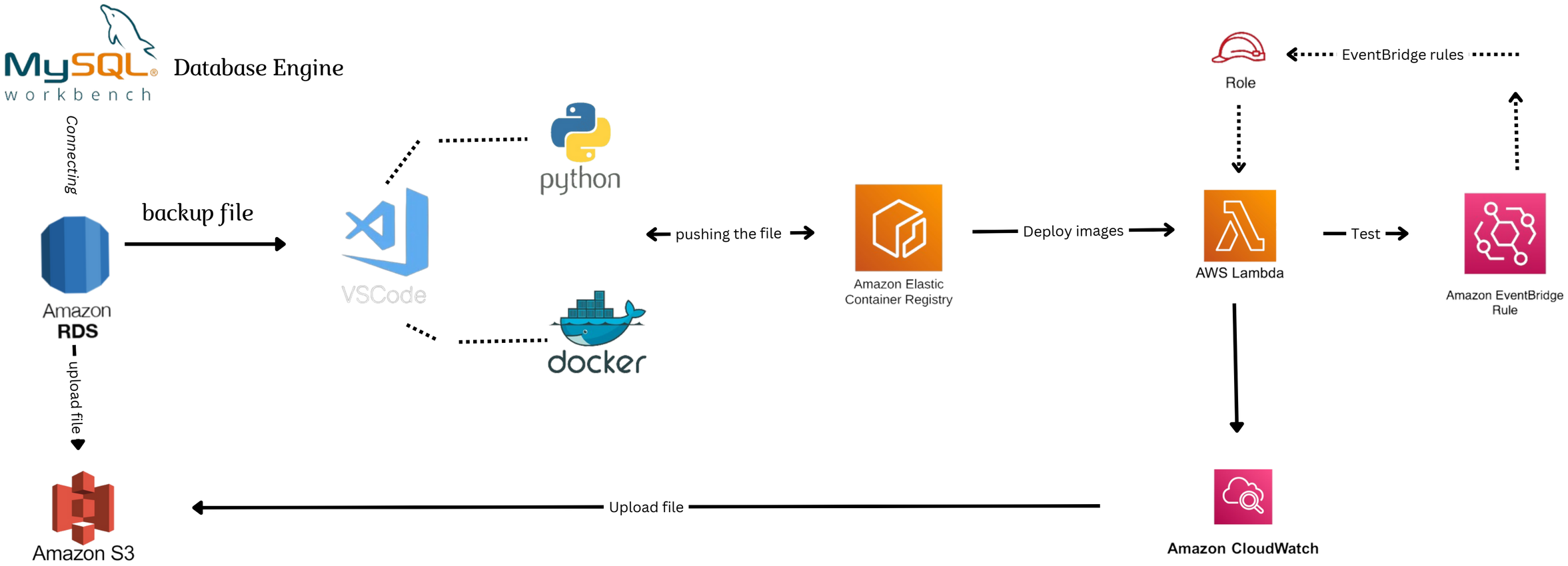
Automate Database Backup and Restoration on AWS

Problem statement:

Employ your cloud computing skills in an AWS environment to automate the process of backing up a database to S3 and restoring it when needed.

With all the applications requiring a lot of data to be backed up on the cloud, along with the security and speed of access, automating this process is extremely important.

scope of design:



Connected RDS instance to MySQL workbench, and Deploy database to AWS S3 Bucket.

Wrote Optimized python script and Dockerfile , to push container imageto AWS ECR .

Launched Lambda function to execute code and establish AWS Cloudwatch rule to schedule background task to automate process.

Tech stack:

SERVICS

- IT Management Tools
- Cloud
- Security

Database/OS

- MySQL
- Windows
- Linux

Tools are usesd

- VSCode : Python
- Docker
- MySQL workbench
- FileZilla

AWS Tools :

- Lambda
- Amazon RDS
- Amazon Cloudwatch
- Amazon ECR
- Amazon EverntBridge
- Amazon S3

THANK YOU

For your Time