**Project Name - Showbuilder**

**Project Scope -** Creation of continuous integration and continuous delivery (CI/CD) pipeline that automatically builds and deploys a Java application to an Amazon Elastic compute cloud (EC2).

**Infrastructures -** Manually deployed using AWS console.

1. Ec2 as a Backend server (Production, development and staging servers).
2. VPC ( virtual private cloud) for production and staging environments.
3. AWS backup.
4. ACM for certification manager.
5. Autoscaling and Application load balancer for handling and managing traffic
6. RDS with MYSQL as a database engine.
7. S3 as a storage and backup.
8. Security groups for allowing particular IPs
9. Route 53 as a DNS.
10. Guard Duty, Inspector, WAF as a security tool.
11. Cloudwatch for monitoring resources.
12. AWS cloudfront and s3 bucket for static frontend hosting.