6 - Exam Readiness - AWS Certified DevOps Engineer – Professional

Through the videos and questions, here is a resume of the concepts that I learned.

Domain 1: SDLC Automation

In SDLC Automation, I learned to secure credentials using git-secrets in AWS CodeCommit. Key takeaways included strategies for AWS CodeBuild security, cost optimization with the Jenkins EC2 plugin, and practical Docker image creation with AWS CodeBuild.

Domain 2: Configuration Management and Infrastructure as Code

I gained insights into identifying causes of AWS CloudFormation stack rollback failures, effective blue/green deployments, challenges in deleting CloudFormation stacks, and A/B deployment strategies. Addressing deployment time optimization concerns in AWS CloudFormation was also a valuable lesson.

Domain 3: Monitoring and Logging

In this domain, I learned to enable auditor access with CloudWatch and CloudTrail, optimize response times through Auto Scaling, and build a real-time monitoring solution with CloudWatch Logs. Enhancing response times with suitable EC2 instances was a crucial aspect of my learning.

Domain 4: Policies and Standards Automation

I learned about ensuring application security compliance, securing AWS accounts, and automating EC2 security compliance. Measures included TCP load balancing, SSL termination, and optimizing the continuous integration pipeline.

Domain 5: Policies and Standards Automation

Delving further, I learned about enforcing EC2 tagging policies, cost-effective scaling with long-running jobs, and mitigating security concerns in S3 data stores. Resolving CodeDeploy deployment issues through tagging enforcement and cost-effective scaling practices were part of my learning.

Domain 6: High Availability, Fault Tolerance, and Disaster Recovery

In this domain, I learned to optimize cost and self-healing with an Auto Scaling group, improve page load time through redeployment, and identify issues in Auto Scaling efficiency through logs analysis. These insights contributed to optimizing system reliability.