**Project Name: Buzznerd**

**Project Scope:** Deployment of AWS EC2 instances to deploy multiple WordPress applications. Deployed Application Load balancers to handle traffic of applications with multiple target groups and created SSL certificates using Amazon certificate manager and attached those SSL certificates with load balancer to provide secure connection. MySQL database for managing data with no public access. CloudWatch alarms for watch CloudWatch metrics and to receive notifications when the metrics fall outside of the levels (high or low thresholds).

Deployment of AWS CloudFront with S3 origin to host static content. Setup AWS manual monthly backup for databases and EC2 instances at the end of the month using AWS backup.

WordPress sites migration from one AWS region to another using WP migrate plugins.

**Infrastructure:** Deployed by using AWS console.

**Services used:**

1. Secret Manager for storing secret value like Database password
2. Virtual private cloud (VPC) for the complete Infra of Buzznerd
3. EC2 instances to access WordPress sites
4. Application Load balancers to handle traffic of applications
5. Security groups for allowing particular Ips
6. Aws CloudFront and S3 bucket for static frontend hosting
7. WAF as a security tool
8. Cloudwatch alarms for EC2 instances
9. Amazon backup for database and EC2