VIMAL PALIWAL

CLOUD/DEVOPS ENGINEER & AWS AUTHORISED TRAINER

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ABOUT ME

#DiverseExperience   #AWSCertified   #AuthorisedTrainer   #KnowledgeHungry   #GoalOriented #TechLover   #AlwaysOpenForNewChallenges   #QuickLearner   #TeamLeader   #SelfMotivated #CoffeeLover   #Hodophile

CERTIFICATIONS

- o **Amazon Web Services**
    - o AWS Authorised Instructor – Champion
    - o AWS Certified Solution Architect – Professional (LH65G0EKHMV11635)
    - o AWS Certified Solution Architect – Associate (6BZKCNEK1FRQ1B31)
    - o AWS Certified SysOps Administrator – Associate (1GKTN3BK114EQ0SE)
    - o AWS Certified Developer – Associate (XRSZ1WYKCEQ4QDGW)
    - o AWS Certified Security – Specialty (1KZDCHK1LFF1QX5C)

WORK EXPERIENCE

DevOps Engineer | Contract, Apr 2020 – Present, Modus Create, USA

- o Singlehandedly migrated EKS clusters to the latest available version for stage and production environment with zero downtime
- o Written shell & python script for GitLab CI/CD to maintain dynamic dev environment
- o Carried out a cost analysis and reduced monthly AWS bill by nearly 40% by introducing Spot instances for dev environment and downsizing underutilised Elasticache & Aurora clusters
- o Implemented RDS Proxy with IAM auth to securely and efficiently manage database connections
- o Replaced instance-level IAM roles with pod level using K8s ServiceAccount to achieve least privilege access
- o Hardened all EKS nodes by introducing CIS Level 1 AMI
- o Introduced nginx Ingress for EKS clusters to replace AWS Load Balancer services
- o Automated security patch on EKS nodes every weekend via AWS Systems Manager
- o Implemented Prometheus and Grafana for K8s monitoring using Helm charts
- o Setup Site-to-Site VPN connectivity for seamless on-prem connectivity

DevOps Engineer | Freelance, May 2020 – Present, Toptal, USA

AWS & GCP Authorised Trainer | Freelance, Mar 2020 – Present, Trainocate, India

Cloud Consultant | Contract, Oct 2018 – Jun 2020, Coditas, Pune

- o Automated infrastructure deployment of centralized logging framework which includes Kinesis Firehose, S3, SQS, SNS, ELK, API Gateway and Lambda using Terraform
- o Implemented Jenkins in conjunction with AWS CodeDeploy to automate code deployment cycle
- o Used Jenkins for automating deployment of containers on K8s
- o Restricting user/service access to K8s cluster using custom RBAC ClusterRole/Role
- o Written custom fine-grained IAM policies for restricted access to AWS services
- o Implemented advanced monitoring using Sensu Core and Grafana
- o Deployed secure bastion server which logs each and every activity of users
- o Automated patching of Windows server with Important and Critical Updates during weekend using AWS Systems Manager

Remote Contractor, May 2018 – June 2018, Eximchain, Singapore

- o Worked on Golang, Terraform, Packer and Tencent Cloud

Founder | Full Time, Feb 2016 – Dec 2017, Ezstrax.com, India

- o Successfully established and built a payment gateway company to help businesses collect e-payments with ease and without online presence
- o Managed all aspects of business from initial scoping to final testing and delivery, along with taking company to revenue stage
- o Designed & developed the overall payment gateway application from scratch
- o Deployed WAF for protection against OWASP attacks
- o Used Terraform to manage AWS infrastructure
- o Implemented CI/CD pipeline using CodeBuild, CodeDeploy, CodePipeline and GitHub

EDUCATION

2014 – 2015

Middlesex University, London
MSc Computer & Network Security   *(Merit – 2:1)*

2011 – 2014   **MITSOM College, Pune**
BCA (Bachelor of Computer Application)   *(72.21% - First 1:1)*

SKILLS

IT Skills:

- o **Cloud Computing** – AWS, Google Cloud
- o **Scripting** – Python, Shell
- o **DevOps** – Git, Terraform, Docker, Kubernetes, Jenkins, GitLab CI/CD, Helm