

# Howard Montes De Oca

## Cloud Engineer

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### EXPERIENCE

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#### Tata Consultancy Services

Sep 2021 – Present

##### Site Reliability Engineer

- Managed 130+ Kubernetes instances on Azure (AKS) / AWS (EKS) through automated deployments, upgrades, and monitoring solutions
- Designed an AKS / EKS Provisioning pipeline (CI/CD) reducing infrastructure creation from 1 month to 15 minutes for customers by leveraging Azure DevOps, Terraform (IaC), and Bash / Python Scripting
- Deployed and installed monitoring solution Grafana / Prometheus and collaborated to create custom application dashboards for observability and event based scaling
- Initiated Change Request approvals / ticket assignment in summit API for IAM, resource creation / decommission, and evidence collection / auditing
- Managed cloud-based infrastructure in AWS and Azure with deployments, cost optimization, maintenance, scaling, and CSPM compliance
- Facilitated PIRs, RCA, extensive documentation, and Disaster Recovery procedures for all cloud based tenants
- Communicated and collaborated with Product Engineering, Customer Support, and Clients to diagnose and resolve production grade issues
- Spearheaded SRE initiatives within subsidiary company Digitate by designing SLOs and SLIs to maintain and improve system stability across all cloud based tenants
- Orchestrated OnPremise / Azure – AWS migrations to cloud based hosting, with minimal downtime, cost reductions, and improved application performance
- Collaborated in remote operation across PST / IST timezone with on call availability, continuous learning / KT sessions and extensive documentation
- Proficient in managing EC2, Aurora RDS, ELB / NLB, VPC, EKS, Lambda, S3, and IAM / Identity Center for 12+ production multi-tenant AWS accounts
- Proficient in managing VMs, PostgreSQL Servers, Application GatewayAKS, Storage Accounts, and Entra ID for 10+ production multi-tenant Azure subscription

### PORTFOLIO

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#### Steam Dump

May 2022 – Aug 2022

- Grabs profile information from Steam API via OkHttp Requests
- MVC Design structure with HTML/CSS/JSP Frontend, Servlet Controller, and Java Backend

### EDUCATION

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California Polytechnic University, Pomona

2016 – 2021

Bachelor of Science, Major in Computer Science

### SKILLS AND CERTIFICATIONS

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- AZ900 and GCP Certified, Experience with AWS (Pending AWS Solutions Architect)
- Proficient with Kubernetes, Linux, TCP/IP, HTTP/HTTPS, Terraform, and Java
- Familiar with Docker, Kotlin, C++, python, PostgreSQL, and Neo4j