

AHMED ABDUL HAMID

Cloud Architect | DevOps Engineer

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SUMMARY

Seasoned Cloud and DevOps Architect with 3+ years of experience across AWS. Skilled in DevOps, Security, Architecture, High Availability, Optimization, and Management. Proficient in medium-level architecture, security standards, and crafting enterprise security use cases aligned with industry cloud security strategies. Extensive experience in designing and implementing diverse requirements across multi/hybrid cloud services. Recognized as an AWS Certification Subject Matter Expert, having deployed multiple projects utilizing various cloud services.

SKILLS

Cloud Architect (Infra, App): ● ● ● ● ●
AWS, On-Prem, Data-center

Security | Risk | Governance: ● ● ● ● ●
CloudTrail, Service Control policy(SCP),
Inspector, IAM Analyzer, Guard duty,
Security Hub

Compute Platform | IAAC: ● ● ● ● ●
EC2, Terraform, Lambda, Lambda Events

Configuration Management: ● ● ●
Ansible

Database Administration: ● ●
MySQL, PostGre, DynamoDB

CI/CD: ● ● ● ● ●
Code Pipelines, Code Deployment, Jenkins,
GitHub, Bitbucket, Code Commit

Linux: ● ● ● ● ●
Redhat, Ubuntu, Amazon-Linux

Webserver: ● ● ● ● ●
Apache, Nginx, Tomcat, IIS

Devops Proficiency: ● ● ● ● ●
IAAS, CI/CD, Monitoring, Configuration
Management

Optimization: ● ● ● ● ●
Cost, Budget, Performance, Quality,
Deployment

Networking | CDN | Infra: ● ● ● ● ●
Firewalls, VPC, Transit Gateway, Direct
Connect, VPN, Route53, CloudFront, IPS,
IDS, WAF, Akamai.

Containers: ● ● ● ● ●
Docker

Monitoring | SIEM - Log Management: ● ● ●
Cloudwatch

App deployment: ● ● ●
PHP, Python, Nodejs, Java, Lemp stack

Windows: ● ● ● ● ●
Server 2008, 2012, 2016

CERTIFICATIONS

AWS Solution Architect Associate | 2023
• (Credentials ID: LF7V90Y28J1110K5)

AWS Cloud Practitioner | 2023
• (Credential ID: XEXCW5WC824411K1)

EXPERIENCE

Lead Cloud Architect | Edge Cast Innoviation | Karachi | February 2020 - Present

- Review and implement Cloud against Standards for Cloud security (CIS, PCI, Best practice).
- Automate remediation and manage standards and requirements in Digital and Cloud Configuration Management, Automation, CI/CD, Monitoring, Infrastructure as a code, Architecture, Security, and Optimization.
- Design and perform Cloud Migration Projects.
- Digital components integration with existing security tools and processes.
- Managing Build/Release, Blue/Green Deployment, Implement VPC Peering solution for Multi-Region/Account.
- Implemented Monitoring and Alerting Metrics in Cloudwatch.
- Monitoring system on live events or any other major event of clients.
- Reduction of time and resources for automation projects by 44% and improved operational efficiency by 87%.

Network Engineer | Pacific Marine logistics | Karachi | November 2018 - January 2020

- Install, Configure & troubleshoot Network Devices (Switches, Routers, and Cabling).
- Troubleshoot hardware and software.
- Responsible for the administration and maintenance of the SMTP server, ensuring optimal performance, Security and adherence to communication standard.
- Implemented network processes and procedures resulting in up to 95% network uptime, while reducing over-all expenses by 30%.

PROJECTS

Implementing a CI/CD Pipeline for a React Application using Jenkins and Docker on Ubuntu EC2 Instances

- Implemented a CI/CD Pipeline: Set up a Continuous Integration/Continuous Deployment pipeline for a React application using Jenkins, facilitating automated building, testing, and deployment.
- Leveraged Docker for Application Deployment: Created a Dockerfile for the React application and built a Docker image, enabling consistent environment from development to production.
- Managed Infrastructure on AWS: Utilized two Ubuntu EC2 instances on AWS, one for hosting the Jenkins server and the other for Docker, demonstrating proficiency in cloud computing and infrastructure management.

Hosting a Nodejs Application on an Nginx Server in a Docker Container

- Developed a React application and containerized it using Docker for consistent development and production environments.
- Created a multi-stage Dockerfile to build the React application and serve it using an Nginx server.
- Configured Nginx to serve the static files of the Nodejs application and handle routing.
- Managed the Docker container lifecycle, ensuring smooth deployment and quick rollbacks when necessary.

Streamlining S3 Website Hosting via CI/CD Pipeline for Seamless Performance

- Git & GitHub: Version control via Git with GitHub as the repository host, enabling collaborative code management and streamlined workflows.
- AWS Services: Integration of AWS S3, ACM, CloudFront, and Route 53 for secure, scalable and high-Performance website hosting and management.
- Jenkins CI/CD: Using Jenkins for declarative pipeline development, automating building, testing and deployment workflows.
- This project combines version control with Git/GitHub, AWS services for hosting, and Jenkins for efficient CI/CD, ensuring seamless development, testing, and deployment of the S3-hosted website.

CERTIFICATION OF COMPLETETION

Learning Docker by Carlos Nunez | Linkedin | 2023

DevOps Foundations by James Wickett and Ernest Mueller | Linkedin | 2023

EDUCATION

Intermediate | Askari College | 2015

Matriculation | Crown Public School | 2013

DECLARATION

I hereby declare that all the information contained in this resume is in accordance with facts or truths to my knowledge. I take full responsibility for the correctness of the said information.