

NOORI
MOHAMMAD KHALID

1684 PERSHING ST VALLEY STREAM, NY 11580| 516-817-7406| mkh.noori@gmail.com

PROFESSIONAL SUMMARY:

- **AWS Technical Solutions Architect, AWS DevOps Engineer and Linux System Administrator** with over 5 Years of experience in developing and **Architecting enterprise level Secure, Scalable and Highly-Available large scale, multi-tier solutions** that require complex Architectural decisions.
- Result oriented approach with Exceptional leadership skills.
- Specialize in Optimizing performance and cost, ensuring high availability, and automating workflows with tools like Terraform, Ansible, Python and Bash scripting.
- Extensive experienced defining IT Roadmap, cloud strategy, Enterprise/solution architecture, Architecture assessment.
- Hands-on experience on implementing **Cloud Solutions** using various AWS Services including **EC2, VPC, S3, Glacier, EFS, AWS Kinesis, Lambda, Directory Services, Cloud Formation, Ops works, Code Pipeline, Code Build, Code Deploy, Elastic Beanstalk, RDS, Data Pipeline, DynamoDB, Redshift** etc.
- Hands-on experience on Architecting and securing the Infrastructure on AWS using **IAM, KMS, Cognito, API Gateway, Cloud Trail, Cloud Watch, Config, Trusted Advisor, Security Groups, NACL, Load-Balancers** etc.
- Hands-on experience on Secure and cost Optimized Event-Driven and Serverless architectures on AWS using services like, Lambda, ApiGateway, DynamoDB, EventBridge, CloudWatch, S3, SQS, SNS and KINESIS.
- Expertise in **DevOps, Release Engineering, Configuration Management, Cloud Infrastructure, Automation**. It includes **Amazon Web Services (AWS), Maven, Jenkins, SonarQube, Ansible, GitHub Action, GitLab, Nginx, Tomcat, LINUX** etc.
- Experienced in designing cloud models for **Infrastructure as-a-service (IaaS), Platform as-a-service (PaaS), and Software as-a-Service (SaaS)**.
- Good knowledge on **Application Migrations and Data migrations from On-premise to AWS Cloud**.
- Strong knowledge of infrastructure with **Docker and Kubernetes containerization**,
- Strong knowledge in **Docker** containerized environment, hosting web servers on containers, building docker images using **Docker** file
- Administration various environments in virtualization. **Windows, Ubuntu, Red Hat Linux, SUSE Linux and CentOS** . Experience using Vagrant.
- Experienced in Automated resource creation process using **Ansible, Terraform, Bash and Python scripts** through pre-boot and bootstrapping process.

- Good understanding of modern monitoring and observability tools like **Prometheus, Grafana, AWS CloudWatch, log management and analysis ELK**.
- Used scripting languages like **Python, Bash/Shell** and **configuration management tools Ansible**.
- Provisioned, Managed and Deployed secure, scalable highly-available multi-tier AWS infrastructures using **Ansible Playbooks** and Terraform as IaC
- Designing and deploying scalable, highly available, Secured and fault tolerant systems on AWS.
- Lift and shift of an existing on-premises application to AWS.
- Selecting the appropriate AWS service based on **data, compute, database, or security requirements**.
- Identifying appropriate use of **AWS Architectural** best practices.
- Estimating **AWS costs** and identifying cost control mechanisms.
- DevOps experience with **Ansible, Terraform, CloudFormation, AWS (Ops Work), SonarQube, Nexus**.
- Continuous Integration Tools **Jenkins, AWS Code-Pipeline, GitLab, GitHub-Action**.
- Experienced with CI/CD pipelines. Automating continuous integration and continuous delivery/deployment using DevOps tools.
- Experienced in managing and automation of deploying containerized applications to AWS ECS for Docker and AWS EKS for Kubernetes. Using tools like Jenkins, Code-Build, Code-Deploy and Code-Pipeline.
- Strong knowledge of Serverless Applications Model (**SAM**).

Technical Skills:

- **AWS Services:** EC2, ElasticBeanstalk, EFS, ECS, EKS, VPC, RDS, S3, IAM, Kinesis, CloudFront, CloudTrail, CloudWatch, CloudFormation, AWS Lambda, Api Gateway, X-Ray, DynamoDB, Route53, Global Accelerator. Security services such as **Security Groups, WAF, Shield, Load Balancers, Nacls**, developer tools such as **CodeBuild, CodeDeploy, CodePipeline, CodeArtifact, CodeGuru, CodeStar, AWS Cli, SDK, CDK**, etc.
- **Infrastructure as service (IaC):** Terraform, CloudFormation, AWS Cli, YAML/JSON
- **Configuration Management:** Ansible.
- **Scripting languages:** Python, Bash, PowerShell.
- **Programming Languages:** Python.
- **Source Code Management:** GIT, Bitbucket, Code Commit.
- **Operating systems:** Windows, Linux, Unix, Ubuntu, RHEL, Cent OS and Solaris.
- **Build Tools:** Maven, Ant.
- **Web/Application Servers:** Apache Tomcat, Nginx, Elastic Beanstalk, Gunicorn.
- **DevOps Tools:** AWS Code Pipeline, Code Build, Code Deploy, Elastic Beanstalk, Jenkins, Docker, Kubernetes, SonarQube, Nexus, Grafana, Prometheus, GitHub Action, Gitlab, ECS, EKS, Ansible, Terraform, CloudFormation, ELK, Slack, ArgoCD, Maven, Trivy, Selenium.

PROFESSIONAL EXPERIENCE:

Linux System Administrator -- Epsilon, New York, NY

Responsibilities:

| June 2019 – July 2021

- **Server Configuration and Maintenance:** Managed and configured RHEL, CentOS, and Ubuntu servers, handling everything from OS installations and upgrades to performance tuning and troubleshooting. Implemented best practices for file system management, networking, and package management to ensure server stability
- **Monitoring and System Health:** Used monitoring tools such as Nagios, Zabbix, and Prometheus to oversee system performance, proactively identifying issues like high memory usage or disk I/O spikes.
- **Created alerts and automated scripts** to minimize downtime and respond swiftly to incidents.
- **User and Access Management:** Administered user access controls with PAM and managed SSH configurations for secure remote access, following strict protocols to maintain system security and compliance.
- **Security Audits and OS Hardening:** Conducted periodic security audits, implementing OS hardening techniques, firewall configurations, and patch management to protect against vulnerabilities. Leveraged tools like iptables and SELinux for added security layers.
- **Optimization and Troubleshooting:** Improved server efficiency by fine-tuning configurations and analyzing system logs to pinpoint and address performance bottlenecks, which led to a reduction in downtime and improved application performance.
- **Expert in automating the provisioning and management of **Virtual Machines**, including OS installations, updates, and **Server** configurations. Skilled in leveraging Vagrant to orchestrate virtual environments across platforms such as **VirtualBox**, **VMware**, **UTM**, and various **Cloud** providers.**

AWS Solution Architect – Epsilon, New York, NY

Responsibilities:

| July 2021 – October 2023

- **Specializing in the design and implementation of highly available, fault-tolerant, and scalable infrastructures with a strong emphasis on disaster recovery and security.**
- **Designed and implementation of public and private facing websites on **AWS Cloud**.**
- **Migrating from On-Premise Infrastructure to **AWS Cloud**.**

- Configured and managed various AWS Services including **EC2, RDS, VPC, S3, Glacier, Cloud Watch, Cloud Front, and Route 53** etc.
- Configured various performance metrics using **AWS Cloud watch & Cloud Trial**
- Worked on configuring Cross-Account deployments using **AWS Code Pipeline, Code Build** and **Code Deploy** by creating Cross-Account Policies & Roles on **IAM**.
- Written various **Lambda** services for automating the functionality on the Cloud.
- Used **AWS Route 53** for configuring the High-Availability and Disaster recovery to make the environment up and running in case of any unexpected disaster.
- Maintained the user accounts (**IAM**), **RDS, Route 53, VPC, RDB, Dynamo DB, SES, SQS and SNS services in AWS cloud**.
- Setup and maintenance of automated environment using **Ansible and Terraform** within **AWS** environment.
- Deployed and managed many servers utilizing both traditional and cloud-oriented providers (**AWS**) using **Terraform, CloudFormation**
- Create **AMIs** for mission critical production servers for backup.
- Build Java **code** and **.NET code** on to different **Jenkins servers** as per the schedule.
- Deployed application updates using **Jenkins**. Installed, configured, and managed **Jenkins**.
- Experience in building applications of various architectures styles like **Micro Services, Event Driven and Serverless** architecture consisting of Restful web services and **Docker** container-based deployments.
- Deployed **Docker Engines** in Virtualized Platforms for containerization of multiple apps.
- Deployed and configured **Git repositories** with branching, forks, tagging, and notifications.
- Installed and configured **Prometheus, Grafana** as monitoring tool for disk usage, CPU utilization, list of open files etc. and sending alerts to our teams on slack.

AWS/ DevOps Engineer – Uber New York, NY

| October 2023 – January 2025

Responsibilities:

- Designed, deployed, managed and operating scalable, highly available, and fault tolerance system on **AWS**.
- Responsible for configuring and securing the infrastructure on **AWS Cloud**
- Done the Capacity planning and Architecture Design of **AWS Infrastructure**
- Configuring the Continuous integration and Continuous Delivery/Deployment (**CI/CD**) of the code on to **AWS cloud**.
- Responsible for Creating **AWS IAM Users, Policies, Roles, Groups** etc.
- Provisioning of AWS resources like **EC2, VPC, EBS, AMI, S3 buckets**, creation of subnets and all other operational tasks using **Ansible, Terraform**.

- Performed configuration, deployment, and support of cloud services including **Amazon Web Services**. Performing the hardening of **AWS root account** after requisition.
- Creating the configuration for establishing a **VPN** tunnel between on premise network and **AWS VPC and VPC peering**.
- I also used on demand, spot, reserved instances based on my scenarios and tasks.
- Installation and configuration of **SCM tool, Ansible on EC2 instance**.
- Installation and migration of on-premise **Jenkins, Arti factory and SVN to AWS cloud infrastructure**.
- Worked in all areas of **Jenkins** setting up CI for new branches, build automation, plugin management and securing **Jenkins** and setting up master/slave configurations.
- Deployed **Microservices**, including provisioning **AWS** environments using **Terraform**.
- Provisioned load balancer, auto-scaling group and launch configuration for micro services using **Terraform, Ansible**.
- Installation and configuration of servers on AWS EC2.
- Creation of dynamic inventory on **Ansible** for management of resources on **AWS**.
- Installation of **Apache Tomcat on EC2 instances** and Installation of build tools such as **Maven, ANT**.

EDUCATION & CERTIFICATES:

Kabul Education University:

- Bachelor's Of Science (**Physics**). | Graduated 2012

Digital Cloud Training:

- AWS Cloud Practitioner Certificate.
- AWS Solutions Architect Certificate.
- AWS developer Certificate.
- AWS DevOps Engineer Certificate.
- Terraform (IaC) Certificate.
- RedHat System Administrator (RHCSA).

LANGUAGES:

- English: Fluent.
- Pashto: Native.
- Persian: Native.
- Hindi: Fluent.
- Arabic: Proficient.

