Hazaq Naiem

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PROFILE

I am a Red Hat certified system engineer and AWS certified solution architect with 5 years of experience. I started my career as a member of technical support team monitoring, debugging, troubleshoot software and later building high availability solutions for these software. With the revolution of devops and cloud, I started working with development team to re-architect applications to utilize the maximum potential of cloud. Recently, I have been working with containers and container orchestration tools as a new way to build and deploy applications.

TECHNICAL SKILLS

- Well versed with cloud computing technologies. Experienced in AWS architecture, specifically in deploying highly available and fault tolerant applications and migrating production workloads to the cloud.
  - CloudFormation, CloudWatch, Lambda
  - IAM, VPC, CloudFront, Route53
  - EC2, RDS, ELB, S3
  - SES, SQS, SNS

- Expert in designing, enhancing and administering, security and performance focused system architectures based on enterprise Linux and Microsoft Windows Server.
  - Red Hat Enterprise Linux, CentOS
  - SUSE Linux Enterprise Server
  - Windows Server
  - Fedora Server

- Experienced in the design and implementation of fully automated Continuous Integration, Continuous Deployment pipelines and DevOps processes for agile projects.
  - BASH, Python, Javascript, PowerShell
  - Ansible, Terraform
  - CodePipeline, CodeDeploy
  - Git, CodeCommit

- Experienced in designing and deploying disaster recovery and backup solutions .
  - Symantec Backup Exec
  - Zerto, cloudEndure
  - LVM and rsnaphost backups
  - Cloudberry Backup

- Extensive experience in a broad range of applications, middlewares, web servers and debugging tools.
  - Apache HTTP Server, Nginx, IIS
  - Apache Jmeter,
  - JBoss Wildfly
  - Drupal, Word Press, Joomla

- Well familiar with a variety of database technologies. Capable of deployment, basic administration and troubleshooting.
  - MySQL, MariaDB, AuroraDB
  - Amaozn RDS
  - Memcached, ElastiCache
  - PostgreSQL

- Familiar with major container and virtualization technologies.
  - KVM, OVirt, RHEV
  - LXC, Docker, K8s

- Experienced with cloud based storage and archiving solutions.
  - AWS Storage Gateway
  - Amazon glacier

- Possess in-depth knowledge of infrastructure components such email servers, LDAP, DNS, FTP and monitoring tools.
  - Zimbra Collaboration Suite
  - OpenLDAP, IPA, Active Directory
  - Icinga, Nagios
  - DNS Mask, BIND, VSFTP, openVPN

PROFESSIONAL EXPERIENCE

Senior Solution Architect,
Integra Technologies, Dubai, United Arab Emirates

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**March 2016 –
Present**
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Integra Technologies is the first AWS Public Sector Partner in the Middle East and is also Advance partners with different open source companies such as Red Hat, SUSE and Zimbra. Integra Technologies is focused on providing Amazon Web Services (AWS) and Linux based business solutions to enterprises in the Middle East.

Responsibilities:

- Responsible for designing, deploying and maintaining Linux based mission critical server and infrastructure for numerous client spread across the Middle East.

- Researching, testing and bench-marking available open source solutions to assess whether they are ready to meet the demands of our enterprise customers.

- Responsible for managing numerous AWS accounts for different customers, implementing security best practices and performing cost optimizations.

- Automate system administration tasks using Ansible to reduce operation time.

- Building architectures for workloads on AWS and migrating on-premise workloads to AWS.

- Respond to support calls and alerts from the monitoring system. Debug and troubleshoot production issues on live environments, provide remote and on-site support.

Key Projects:

- **Sharjah Islamic Bank** – *RedHat Satellite implementation*

  SIB had around 100 RHEL servers distribution across two sites. The architect of the implementation included a Capsule server in DR site and a Satellite server with internal capsule running in the production site. A custom kickstart template was write to provisioning VM and bare-metal machines using forman. Puppet modules were uploaded to obtain auditing and drift management for basic controls like motd, ntpd and syslog. A customized ansible playbook was written to ran CIS benchmark for newly provisioned machines.

- **eKar –** *ECS Cluster with CI-CD pipeline*

  ekar is an on demand car sharing company, their application was build on PHP and Java. As part of the project we moved the application into docker project, to automate the deployment process and to create a Continuous Development environment we integrated code pipeline, code Build and code Deploy. The code pipeline was triggered with web hooks in the github repository, code Build was used to build Docker images and upload it into ECR and finally update the task definition of container, code Deploy then updates the running docker container.

- **Injazat Data System** - *RedHat Satellite implementation*

  Software lifecycle management was implementation for 200+ RHEL servers. The servers were distribution in 6 different landscapes under a single organizations. All the server were running on Virtual Datacenters and Virt-who was deployed to collect Virtual Machine metadata to allocate proper subscriptions.

- **AirArabia** – *Application and Infrastructure Migration*

  Built on drupal, the airarabia.com web application was hosted on outdated infrastructure and had issues with scaling. As part of the migration we upgraded drupal and PHP, integrated codecommit and Elastic Beanstalk to manage rolling deployments, application scalability and managed updates. Moved the database to AWS RDS, migrated mongodb to dynamoDB, also added ElastiCache, AWS WAF and Shield. Setup application level monitoring with icinga and Infrastructure monitoring with cloud watch.

- **Al-Ansari Exchange** – *ZCS to ZCS Migration.*

  Migrated 1200 users from an old and buggy deployment of Zimbra to the latest version of Zimbra collaboration suite (8.8.5), wrote custom scripts to migrate user data, distribution lists and passwords; used imapsync for mailbox migration. Automated the backup of the mailbox server to a DR site. Configured Nagios to monitor server health, backups and top sender reports.

- **Al-Futtaim** – 2 Node HA *Cluster for SyBASE -IQ DB*

  Implemented a 2 node HA cluster using pacemaker, corosync and HA-LVM. Wrote the SyBase LSB script since pacemaker does not have a resource agent for SyBase. The Database volume was using a shared SAN LUN between the two VMs running on Vmware. fence_vmware_soap was used as the primary fencing method and to avoid split brain situation delay was added to the primary fencing devices.

- **Dubai World Trade Center** – *DevOps Consultation.*

  Helped build a Java based application to handle the online registration of all the events organized in DWTC. Installed and configured JBoss EAP7 (WildFly) and assisted the development team in integrating the application with AWS API Gateway. Worked closely with the developers in fine-tuning the middleware software and automating application deployments on each environment.

- **State Audit Institute** – *AWS infrastructure for handling INCOSAI 2016 event.*
  Migrated the INCOSAI 2016 event application and mobile application from the SAI datacenter to AWS to handle the load during the global event. Migrated the MS SQL to AWS RDS, setup schedule based auto scaling for cost optimization, integrated cloudfront into the application and also ran vulnerability scan. After the event was completed the application was migrated back to the local datacenter.

- **Qanawat** – Digital music service (jded.fm)

  jded.fm is a music service application, the core of this application is running on batch of EC2 instances, the requests are handled by an ALB. Due to high volumes of users downloading static content Amazon CloudFront was also integrated into the application. To deploy the application across a large set of EC2 instances AWS codedeploy and AWS codepiple was used.

- **Gulf Marketing Group** – *Suse Linux Life Cycle Management*

  Deployed the spacewalk based patch management solution SuSE Manager. Designed the life cycle management strategy for SLSE and RHEL Virtual and physical machines. Integrated the Salt stack for configuration management. Setup cobbler for provisioning servers. Patched more then 100 linux machines using SuSE Manager over a period of 6 months.

Systems Administrator,
Wathaaeq Services, Sharjah, United Arab Emirates

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May 2014 – Feb 2016

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Wathaaeq and Estemarat Services is a semi-government organization that processes documents for the ministry of labor and Notary public.

Responsibilities:

- Configure and maintain centralized logging system for audit and security.
- Perform regular backups and upgrades on all production systems. Apply security patches on mission critical systems in case of a zero-day vulnerability
- Work with the development team in managing and deploying Linux and Windows based applications.
- Assist technical support team with any server or client side issues.
- Automating system administration tasks using bash and powershell scripting.
- Administration of Windows Server based IIS server hosting ASP.NET based corporate websites.

IT Support,
KEST LLC, Sharjah, United Arab Emirates

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Sep 2013 – April 2014

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KEST is a local trading company with branches all over UAE while their HQ is in Sharjah.

Responsibilities:

- Configuration routers, switches, desktops and office equipment like fax scanner and printers at offices.
- Provide technical support to the users, monitoring and maintenance of Datacenter.
- Debug applications and report an issues back to the developers.

Publications

GitHub	https://github.com/hazaq
Blog	http://hazaq.me

TRAINING AND CERTIFICATIONS

AWS Certified Solutions Architect–Associate (AWS-ASA-15828)	Dubai, UAE	Aug 2016
Red Hat Certified Engineer (160-230-397)	Dubai, UAE	April 2017
Red Hat Certified System Administrator (160-230-397)	Dubai, UAE	Dec 2016
Microsoft Certified Professional (F450-4855)	Dubai, UAE	Oct 2015

EDUCATION

BS in Electronic Engineering (Major in Computer systems)   Sep 2009 – Jun 2013
CGPA: 3.69 / 4
International Islamic University, Islamabad, Pakistan

References

Khizer Naeem, Email: knaeem@redhat.com	Technical Account Manager, Tel: (can be provided)	Red Hat Inc, Dubai, UAE
Ahmed Raafat, Email: arraafat@amazon.ae	Sr. Solution Architect , Tel: (can be provided)	Amazon Web Services, Dubai, UAE