**Rafiq Sheikh**

*AWS Solution Architect / DevOps Engineer*

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**Professional Profile:**

A technically versatile, pragmatic and commercially aware AWS Cloud Architect, DevOps and Systems Engineer with 20 years professional experience in IT. Highly skilled in developing solutions, procedures & service standards for project transformation and business excellence. Possesses in depth experience of designing effective solutions for cloud deployment, transitioning multiple projects and ensuring seamless end to end delivery of services. Drives excellence in every project to deliver outstanding results.

**Core Competencies:**

* **Excellent project coordination skills:** highly skilled at coordinating the end to end delivery of business-critical projects within strict time constraints.
* **Commercially focused:** able to seamlessly merge technical and commercial expectations (with vast experience communicating with a broad range of technical and non-technical stakeholders).
* **Client relationship management:** vast experience working with various large blue-chip clients and government offices (Brose, Trustmarque, Trinity Expert Systems, Ngeneration, Barclays, County Council, Powergen, EDS, and Warwickshire Police HQ).
* **Risk management:** proficient in the architecture, design and development of backup, archiving and disaster recovery in AWS Cloud.
* **Compliance:** ensuring strict compliance with policy, legislation, and regulatory guidelines.
* **Methodical thinker:** able to make complex technical decisions decisively and efficiently whilst proactively analysing short, mid and long-term impacts.
* **Exceptional interpersonal skills:** highly skilled at nurturing relationships with individuals with a strong sense of integrity and professionalism.

**Technical Skills:**

* **Cloud Computing:** Amazon Web Service (Computing Services, Storage Services, Database Services, Security and Identity Services: IAM, KMS, Networking Services, Management Tools)
* **Version Control:** GIT, Github, SVN
* **Virtualisation:** Docker
* **Web Server:** Apache, Tomcat, Nginx
* **Database:** AWS DynamoDB, AWS RDS
* **Continuous Integration/Continuous Deployment:** Jenkins
* **Automation and Build Tools:** Jenkins, GitLab, Ansible
* **Configuration Management Tool:** Ansible, Chef
* **Container Management:** Docker Swarm, Kubernetes
* **Monitoring:** CloudWatch
* **Languages:** Python
* **DevOps Tools:** Packer, Jenkins, Ansible, Docker
* **Operating Systems:** MS-Windows, Linux
* Architected Distributed Systems involving in designing and deploying some multitude applications utilizing almost all of the AWS stack (including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance and auto scaling feature
* Knowledge of RAID, ISCSI, FCP and Linux LVM. Managing Apache, Nginx, FTP and Syslog Server
* MS Windows Server administration 2008/2012 R2/2016, MS SQL Server 2012.
* VMWare virtualisation, VMWARE Horizon, Hyper-V. MS SCCM (System Centre – Configuration Manager)
* Installing and configuring Cisco Routers/Switches. LAN/WAN troubleshooting (TCP/IP, DHCP, DNS)

**Education and Training:**

* **May 2018:** A knowledge and experience of AWS DevOps Associate
* **April 2018:** A knowledge and experience of AWS Solutions Architect (Associate and Professional).

**Firebrand Training**

* **April 2016:** A knowledge and experience of CCNA Routing and Switching (200-120)**.**

**Linux Academy and Howtonetwork.net**

* **March 2016:** A Knowledge and experience of Installing MS-Windows Server 2012 R2 (70-410).

**Computeach**

* **January 2015:** ITIL Foundation Certified
* **April 2014:** A knowledge and experience of MS-Windows 7 MCTS (70-680).

**The Geek Academy IT Training**

* **April 2013:** A knowledge and experience of the CompTIA A+ Essentials 2012 (220-801).

**Computeach IT Training**

* **March 1998: DeMontfort University, Diploma of Higher Education – Computing**
* **1996 – 1998: BSc Degree - Computer Science**
* **1994 – 1996: BTEC Higher National Diploma - Computer Science**
* **1992 – 1994: North Warwickshire College, BTEC National Diploma – Computing**
* **1991 – 1992: BTEC First Diploma - Business and Finance**
* **1987 – 1991: Manor Park Comprehensive School, 6 GCSEs**

**Professional Experience:**

**September 2015 – Present: AWS Solutions Architect, DevOps/Systems Engineer - RS I-Tech Systems Ltd**

*Managing the end to end delivery of various projects for clients across both private and public sectors (including the automotive industry and county council).*

* Wide range of experience have involved in Building, Continuous Integration, Continuous Deployment, Requirement Analysis, Planning, Development, and Release of various Enterprise-Wide Software Applications for business areas using Jenkins, Git, Maven, Subversion, Ansible
* Working on Jenkins​ for continuous integration and for End to End automation for all build and deployments.
* Expertise in amazon AWS​ cloud which includes services like: EC2, S3, VPC, IAM, Elastic Beanstalk, Elastic Load balancing, Auto scaling, RDS, Route 53, Volume Snapshots, AMI, Cloud Watch, Security Groups, NACL.
* Expertise in Infrastructure as a code (IaC) using Terraform and Ansible for configuration management.

**Key Projects/Achievements:**

**Project 1:** Application Management using DevOps

**Description:** Involved in designing and deploying a multitude application utilizing all of the AWS Services.

**Role:** Cloud Engineer   
• Experienced in deployment of applications on Apache Web server and Application Servers like ​ Tomcat​

• Pushing Code from Git​ to​ Nexus make available for release through​ automation script using Jenkins.

• Proficient in Build & Release automation framework designing, Continuous Integration and Continuous Delivery, Build & release planning, procedures, scripting & automation.

• Good at documenting and implementing procedures related to build, deployment and release.

• Involved in the installation and configuration of Nginx as a web server through Ansible**.**

• Managed IAM policies, providing access to different AWS resources, design and refine the workflows used to grant access.

• Created several AMI’s for setting up a group of servers with the same configuration and packages.

• Achieved Auto scaling by configuring launch configuration for Auto scaling groups by creating alarms through • CloudWatch on server services like CPU, RAM and disk storage and Network In.

• Configured security groups for instances and Network Access Control List for subnets and Routing Tables for the same.

**Project 2:** Accountability Suite   
**Description:** The accountability suite provides different solutions to the government like Budget Management, Expenditure Management, Service Management.   
**Role:** DevOps Engineer   
• For the application, I made an infrastructure which is highly available and scalable.  
• Suggesting the best possible services of cloud as per requirement.  
• VPC environment setup.  
• We used Ansible playbooks to handle the automation of our web applications and Terraform as IaC  
• Installation and management for Build Pipeline with Jenkins for Build and release (with pipeline as a code).  
• Autoscaling of EC2 instances. • Managing security groups, Routing Policies and ELB's.  
• Evaluating performance of EC2 instance their CPU, Memory usage, Network Usage and suggested appropriate instance type for the same. • Used Artifactory to deploy artefacts.  
• Managing multiple services like IAM, S3 Glacier • Use Cognito for user authentication   
  
**Project 3:** CI/CD Implementation for Client Project  
**Description:** Client has more than 30 services and most of them are microservices.  
Infrastructure is running on AWS.  
**Role: DevOps Engineer**  
• Atomicity of application deployment achieved using Ansible.

• Maintenance of current infrastructure.  
• Implemented S3 bucket policy and Encryption.  
• Migration of Jenkins server from ubuntu to Amazon Linux AMI.  
• Implemented Jenkins slave for IOS and Android projects.  
• Automated deployment of different applications like drop wizard, spring boot, NodeJS.  
• Created Jenkins Pipeline jobs for Build automation.  
• Written Ansible roles for application deployment.  
• Implemented SonarQube for report generation code quality and code coverage.  
• Automated uploading of report generated by SonarQube into S3, So developers can have access to reports.  
• Installation and management for Build Pipeline with Jenkins for Build and release.  
• Integration of Selenium with Jenkins.  
• Implemented S3 bucket policy and Encryption.  
• Maintenance of current infrastructure.  
• Created infrastructure-using Terraform in AWS.  
**Technology Stack:**  
Linux-Ubuntu, GitHub, S3, Jenkins, Code Commit, Tomcat, Artifactory, Python, Terraform, Ansible, AWS,

Auto-Scaling, Lambda, ELB, VPC, Code Pipeline

**Project 4:** Worked with a website(www.utterlycloud.com)  
**Description:** Created AWS tutorial by writing documents and taking snapshot of each step

• Created EC2 Tutorial

• Created S3 for static website hosting tutorial

• Created tutorial for installing WordPress on EC2 machine

**September 2014 – August 2015: 2nd/3rd line Analyst, TrustMarque/Trinity Expert Systems**

*Working as part of a large ITIL service desk team and supporting multiple customer end users 5000+ (Liberata, Phoenix, 3iii, McLaren, Guardian, Selwood) and various internal resolver teams.*

* 2nd Line Hardware break fix and Fault finding, software, printers and network-based problems being reported.
* Installing and configuring Cisco Routers/Switches. LAN and WAN troubleshooting (TCP/IP, DHCP, DNS).
* Administering Active Directory-Group Policy, Acronis Backup and Restore. Remote Desktop Services.

**Systems/Programmes/Packages/Languages used:** Windows 7/8, MS-Office 2013, Citrix, SharePoint, Active Directory, VMWare, MS-Exchange Server, MS-SCCM, Remote Desktop, Windows Server 2008/2012 R2, Hyper-V, Group Policies, SMTP, TCP/IP, DHCP, DNS.

**Key Projects/Achievements:**

* Providing technical support for first call resolution of 100+ reported issues daily via telephone, email, and remote desktop control
* Developing and disseminating 100+ knowledge base solutions for client specific troubleshooting i.e. operating procedures, policies, etc.
* Training 15 new employees on responding to calls appropriately and company standards.
* Performing quality assurance checks of tickets processed by the team to ensure accuracy.

**Early Career Overview:**

* *Jun 2014 – Aug 2014: Field Service Engineer, NGeneration*
* *Jun 2010 – May 2014: Freelance I.T Support Engineer and Systems Administrator*
* *Jun 2009 – May 2010: Career break/training – due to personal commitments*
* *May 2004 – May 2009: Local Business Advisor, Resourcing and Sales Advisor, Barclays*
* *Nov 2003 – Dec 2003: CAD / PC Technical Assistant, Triumph Motorcycle*
* *Sept 2003 – Oct 2003: Desktop Support Engineer, Warwickshire County Council*
* *May 2003 – Aug 2003: 2nd Line Support / Migration Engineer, Powergen*
* *Feb 2003 – Apr 2003: 2nd Line Support Analyst, Travel West Midlands*
* *Jun 2002 – Jan 2003: Implementation Team Leader, EDS (Electronic Data Systems)*
* *Apr 2002 – May 2002: I.T. Installation Engineer, Warwickshire Police HQ*