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Suyesh Malik

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# Solutions Architect-Associate

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##### BRIEF PROFILE

Seeking challenging opportunities in the field of DevOps, Amazon AWS, Red Hat, Apache/Nginx, Tomcat, Automation tools like Ansible, Puppet, Chef, CI/CD with Jenkins and related areas.

**Total working experience in the IT Industry: 11+ years.**

* A Professional, successful in the DevOps, Amazon AWS Cloud, Linux Administration. Having Strong foundation on Red Hat/CentOS/Ubuntu as well as Windows. Software Deployment, Design/Deploy & Maintain Infrastructure, CI/CD Integration, Building Micro services.
* Worked and willing to work in high-powered, fast-moving, multi-disciplinary Amazon Cloud/Linux Administrations team. Committed team player with strong analytical and problem-solving skills, and ability to quickly adapt to new environments and technologies.

**EDUCATION & CREDENTIALS**

**Graduate** (B. Tech in Computer Science- 2005-09)

**Uttar Pradesh Technical University, NOIDA**

**CERTIFICATIONS & OTHER ACHIEVEMENTS**

AWS Certified Solutions Architect – Associate (**AWS- SAA-C01**)

Training Certificates for DevOps, Python, RHCE, Openstack, CCNA.

Rock star of the team at Bioxcel Corp.

**TECHNICAL PROFICIENCY**

* Operating Systems Linux RHEL 5/6/7, CentOS 5/6/7, Ubuntu 12.04/14.04/15.04 & Windows 2003/2008/2012 Windows7/8/10
* Designing and deploying Scalable, Highly available and Fault tolerant systems (ELB & Auto-scaling) 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.
* Auto Scaling and ELB to achieve Elastic Computing on AWS.
* [Amazon Web Services (AWS) - Cloud Computing Services](http://aws.amazon.com/), EC2, RDS, IAM, Security Groups, S3, Route 53, Cloud Formation, Lambda, SES, SQS, SNS, EBS/IOPS and VPC/Peering Connections.
* Amazon Virtual Private Cloud (VPC) default and non-default, Internet Gateway, Route Table & NAT/NAT Gateways/Endpoints.
* Deployment of SSL Certificates/Cross-Zone load balancing for Elastic Load Balancer (ELB).
* LAMP /LEMP environment for Development and Production.
* Databases MySQL/Maria DB/PostgreSQL, (Master/ Slave, Master-Master) MongoDB Replica Set.
* Install and configure DNS, DHCP, Vsftp, Samba/NFS, and Logical Volume Manager (LVM)/RAID.
* Install and Configure Nginx, Apache /Varnish as Web server and Reverse proxy.
* Implementing and Configuring SSL/TLS and Apache Security modules
* Implementing and Configuring Ansible Server/ Playbooks, Modules.
* Release management in DevOps environments.
* Implementing and Configuring Jenkins server, java.

**DevOps artillery includes:**

CI: Jenkins

Cloud Infra: AWS

Docker Orchestration: Swarm, ECS, ECR

Load Balancing: HAProxy, ALB, ELB, Route 53

Server Configuration Tool: Docker

System Monitoring: Icinga, Nagios, Cloudwatch

Log Monitoring: Logstash, ELK

Domain Hosting: Go Daddy, Route 53

Web server: Apache, Nginx

No SQL DB: Mongodb

Application server: Tomcat, Jboss

Version Control: Git

Source code Management tools: Atlassian Jira, SVN, Conflusion

Other: Elasticsearch, Kafka, Redis, Rabbitmq, Node, Angular, Go

**PROFESSIONAL EXPERIENCE**

**Recently Organization working with:**

**First Abu Dhabi Bank (FAB), Abu Dhabi-UAE since May 2021 to June 2021 as Assoc DevOps & AWS CloudOps**

**Job Responsibilities:**

**-** Configured server images, optimized the task performance in correspondence with the engineers.

- Developing CI/CD roadmap and implementing to the project.

- Built and deployed Docker containers to break up monolithic app into micro services, improving developer workflow, increasing scalability, and optimizing speed.

- Working closely with Architecture, Development, Test, Security and IT Services teams.

- Provision all resources using Infrastructure as Code with terraform and AWS Cloud Formation.

- Sound problem-solving skills with the ability to quickly process complex information & present it clearly & simply to non-technical people.

- Good team player & collaborates to create innovative solutions efficiency.

- Build state of the art infrastructure for banking application based on a micro services architecture.

- Working closely with the developers to understand and properly design the deployments & monitoring across different teams.

- Ensuring high availability (up time) and high scalability on production and test environments.

- Help debug and fix any problems with the infrastructure and applications.

- Incidence management and root cause analysis.

- Coordination and communication within the team and with Engineers and stakeholders.

- Mentoring and guiding the team members on practicing DevOps.

- Handling 4 Datacenters with bare metal servers & VM's for enabling services installation, patching, configuration and maintenance.

## Previous Organizations:

### RAK Bank, DUBAI-UAE on payroll of SMI Technologies since March 2020 to March 2021 as a Lead WAS Admin Engineer.

**Job Responsibilities/Achievements:**

* Excellent knowledge on Infrastructure planning, setting up and upgrading Application server & Middle-ware technologies including load balancing and fail-over.
* Steering complete admin operations for installation and configuration, deployment and troubleshooting of Application Server on Windows, Linux.
* Deft in providing 24x7 supports for Application Server & Web-server issues for Projects and Development Environments.
* I have been working at RAK Bank Dubai and handle Finacle, Digital Banking and infrastructure support for bank servers.
* Working in Finacle, Customization, BatchJob, Payments, Oracle, UNIX, WAS, MQ, WEBLOGIC, JBOSS, JIRA, JENKINS, Apache, Oracle Sql, Redis, Consul, Nginx, Nodejs, LAN, SAN and Appdynamics.
* Having Product experience in Finacle Core Banking product (Infosys)
* Working experience on Finacle requirement and product capability along with Customization architecture.
* Experience in handling Finacle Interfacing requirements (Custom and Product APIs).
* Finacle customization flow understanding (New custom menu, Reports - MRT & Jasper, Batch job, Product menu customization, FI, EOD-BOD process and debugging).
* Finacle Core Banking Functional knowledge.
* Good understanding of Banking domain and terminologies used.
* Experience in Agile methodology.
* Responsible for implementing the services with Digital Engagement Hub (DEH) for Internet Banking and integrated with enterprise version of Redis, consul, Nginx plus, NodeJS and finacle FEBA.

### DLT Labs India Pvt Ltd, Noida since April 2019 to 15th Nov 2019 as a Lead DevOps Engineer.

**Job Responsibilities/Achievements:**

* Creating Pipelines for the Deployments.
* Maintaining & Infra setup on premise/Cloud servers on AWS, Azure & GCP.
* Infrastructure management of around 300 servers including all environments on AWS.
* Created one click setup for QA environment using Cloudformation as IAAS on AWS.
* Configured ELK stack for log storing, analysis & parsing.
* Maintaining extensive use of Jenkins for CI/CD.
* Automation of Build & Deployment using Jenkins.
* Worked with Version Control System like Github, Bitbucket & Gitlab.
* Setup Dockers for infra.
* Migrated all micro-services into docker from EC2 instances.
* Using AWS ECS to manage containers and for orchestration.
* Log management using Elastic search, Logstash, Kibana with Filebeat.
* End to end support of application.
* Architecting the Infra for New Projects
* Production Deployments.
* Configuring Monitoring and production support.
* Production support & troubleshooting the issues.
* Configuring the hyper ledger Fabric.
* Apache Kafka deployment optimizing, Cluster configuration & hands on experience on UNIX OS which includes configuration, installing software & administration.
* Hands on experience in configuring Zoo Keeper & Kafka cluster.
* Experience on software stacks which include installing, configuring, reading Topics from Kafka.
* Experience on Icinga monitoring system.
* Manages all aspects of the end to end product deployment process.

### 3. Kronos Solutions India Pvt Ltd, Noida since Aug 2018 to April 2019 as Release Engineer (DevOps).

**Job Responsibilities/ Projects works on**:

* Deployment and Maintenance of Servers and Services on AMAZON WEB SERVICES & GCP with the help of Right scale tool.
* Worked with FALCON, WFD & WFC projects.
* Experience in migrating/upgrading the various cloud apps like WFM, Open AM/DJ, IDP Proxy AM/DJ RabbitMQ (ENV,INS), Birt Report engine, Workflow Admin & Designer engine, Developer portal, Apigee (DSMS & RMP), TMS, SDM, UDM, Birt Reporting information console & sys console, DSE Realtime & Batch, Redis, PPAS database, Integrated hub etc.
* Experience to apply fixes & patches related to Nginx, Java(.jre) & Tomcat(.war) in Right scale tool.
* Experience in performing sanities on Blue-Green deployments.
* Familiarity with Refresh Token that need to apply on right scripts.
* Experience in executing scripts like Nessus, Spacewalk, Register PIM, Python connector deployment on PPAS services with the help of RSC utility in Right scale cloud management.
* Experience in checking proper CAT files available in right scale.
* Experience to generate incidents in service now & Jira.
* Experience in launching Green cloud apps with the reference copy inputs from Blue deployed cloud apps across various environments of stack level services for US, Canada, Australia, Europe, Germany, Netherlands like CFN, EVL, NXT, Staging, Non-production, Production.
* Experience in rolling restart of ILB, dockers & Nginx services.
* Experience to perform Resource Mismatch Analysis in server arrays if all are operational with ILB & CNAME.
* Experience with CI, build, Version control, configuration management and deployment tools (Jenkins, SVN/GIT, and Ansible.)
* Deployment/Migration of Machines and applications from datacenter to EC2 (AWS).
* Expertise in open source monitoring systems, have implemented or enhanced monitoring & alerting solutions like Nagios.
* Familiarity with Service Oriented Architectures (SOA), Docker Containers, distributed data platforms.
* Familiar & sound knowledge of Kubernetes & Apache Kafka.
* Familiars with Micro service Architecture.
* Good knowledge and experience with programming in python.

### 4. Worked remotely as Freelancer since June 2017 to July 2018.

**Projects works on**:

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* Deployment and Maintenance of Servers and Services on AMAZON WEB SERVICES (AWS).
* Experience in build and release, administration, deployment, automation of deployments for various web applications.
* Experience with CI, build, Version control, configuration management and deployment tools (Jenkins, SVN/GIT, Ansible.)
* Deployment/Migration of Machines and applications from datacenter to EC2 (AWS).
* Migration of domain from Go Daddy to AWS using Route 53 service.
* Migration of EC2 instances from 1 region to another using snapshots & AMI template.
* DevOps and AWS assistance setting up CI/CD on AWS to run a load balanced .NET Core 2.2 REST Web API, a load balanced ReactJS/NodeJS front end, and Sql Server backend. I had been worked with Code Pipeline and Jenkins.
* Expertise in open source monitoring systems, have implemented or enhanced monitoring & alerting solutions like Nagios.
* Familiarity with Service Oriented Architectures (SOA), Docker Containers, distributed data platforms.
* Google App for work Administrator, Manager Organization’s E-mail and other google applications accounts.
* Good knowledge and experience with programming in python.
* Managed SQL/No-SQL data stores with regards to backup, replication and restoration like MySQL.
* Perform daily system monitoring, verifying the integrity and availability of all hardware, server resources, systems and key processes.
* Firewall administration (Cyberoam), setting rules, providing and monitoring traffic and access to users.

## 5. BioXcel Corporation, Gurgaon since May 2015 – May 2017 as Cloud Services & DevOps Engineer.

**Job Responsibilities/ Projects worked on:**

* Help to troubleshoot software application issues.
* Help to identify modifications needed in supported applications to ensure high reliability and availability.
* Manage availability, latency, performance, capacity, efficiency, monitoring, and emergency response for supported applications and systems.
* Manage infrastructure and infrastructure as code development projects and deployments.
* Act as cross-functional and cross-technology subject matter expert for DevOps teams.
* Continuously develop, improve and help implementing efficient and automated operations processes.
* Help to coordinate and implement new technologies and applications.
* Conduct root cause analysis of complex issues and drive in-depth analysis across teams.
* Initiate knowledge building and most effective sharing.
* Experience with DevOps Configuration management tools (e.g. Jenkins, CD, CI, GitHub, Ansible, Puppet, and Chef).
* Understanding of web and database technologies, concepts and design elements of on premise, cloud based and hybrid architectures.
* Strong understanding of presentation tiers/ Application stacks (LAMP, HA Proxy, Email platforms, Apache, Tomcat, Nginx, IIS)
* Experience with containerized environments (Dockers, DC/OS, Orchestration framework: Kubernetes)
* Knowledge of Regular Expressions.
* Knowledge of Edge Cache technologies like Redis, Memcached.
* Knowledge & Experience with the databases like SQL/RDBMS, MySQL/NDB, Mongo DB, and Cassandra.
* Experience with the major cloud IaaS providers (e.g. AWS), SAAS (e.g. RDS, G-Sheet, Dropbox)
* Strong hands on skills with server operating systems and environments (Linux, Windows)
* Understanding of standard networking protocols and components such as: HTTP, DNS, TCP/IP, ICMP and Load Balancing.
* Knowledge of shell scripting/ Programming languages: Bash, Python.
* Working experience with Tools/ Utilities: Kickstart, Yum, RPM, GIT/SVN.
* Working experience with monitoring and data analysis tools (e.g. Nagios, Datadog).
* Identify opportunities that can help improve efficiency of business processes through software enhancements.
* Understanding the Apache compilation.
* Run two apache versions on same machine.
* Use of HA Proxy and share the load with round-robin policy.
* Execute ad-hoc commands against servers.
* Ansible Integration with Jenkins

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### 6. Summit Information Technologies Pvt. Limited, Gurgaon since May 15th 2012 – April 25th 2015 as a Sr. Lead Linux Administrator.

**Job Responsibilities/ Projects worked on:**

* Installed and Configured Red Hat Enterprise Linux, CentOS, and Ubuntu etc.
* Managed Amazon Web Services (AWS) based Cloud Computing Services RDS, VPC, S3, Route 53, ELB, EBS/IOPS/Snapshots.
* Configure Simple Storage Service (S3) with versioning/ Object Lifecycle Management /Static Website/Bucket policies/ACLS.
* Managed and Deployed Amazon Elastic Services (Auto Scaling, Load balancer).
* Installed and used Amazon CLI mode for Cloud services automation.
* Managed and configured default and non-default virtual private cloud (VPC), Internet Gateway, Route Table & NAT/ NAT Gateways/Endpoints.
* Managed and Configured Amazon Security Groups and ACLs / IAM User and Group Management/IAM Roles/IAM Policies.
* Amazon Relational Database Service (Amazon RDS) set up, operates, and scale a relational database in the cloud.
* Amazon Route 53 is a highly available and scalable cloud Domain Name System (DNS) web service.
* Installed and Configured Apache Tomcat for Java based Application.
* Installed and Configured Apache/Nginx web server virtual Hosting (Name based/IP based) with SSL.
* Experience in Code/configuration Deployment in Dev, QA & Production Environment.
* Installed and configured Caching-Only DNS Server/ Bind & DHCP Server with MAC Binding and Network Teaming (nmcli command).
* Experience in installation and administration of MySQL/Maria DB and setting up replication/backups/restoration.
* Manage and Experienced Iptables and firewall-based Policies.
* Installed and configured monitoring tool Nagios/New Relic and Analyzing Storing Logs and set up custom log rotation for Application.
* Installed and configured Open-Source based project like Redmine, Magento, GIT/GitHub, and Jenkins.
* Managing Flexible Storage with Logical Volume Manager and RAID.
* Managing User Accounts with Special Permission & Password aging Policies, Groups and Access Control Lists,
* Linux Advanced File Permissions SUID, SGID and Sticky Bit.
* Installing and Managing Software & Package Management, Managing Installed Services.
* Bash basic level scripting.

### 7. Religare Technova Ltd., NOIDA since Jan 10th 2010 – April 25th 2012 as Sr. Executive IT Support.

**Job Responsibilities/ Projects worked on:**

Installed and configured all the Windows servers 2003/2008/2012, Active Directory 2003/2008/2012, Manage component of Active directory like User/Group creation, deletion. Install and configure MSSQL 2008/2012 database, backup and restore databases.

**Personal Information**

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| Email | [sunny\_m\_malik@yahoo.co.in](mailto:sunny_m_malik@yahoo.co.in) |
| Date of Birth | 6th Feb 1985. |
| Language Proficiency | English, Hindi. |
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