Mohamed Ali G

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Career Objectives

To work on challenging assignments in a progressive organization that would leverage my technical experience to the fullest potential and align my growth with the growth of the Organization.

Career Summary

- Over 3.5 years of Experience as a **Senior Programmer** in supporting, automating, and optimizing mission critical deployments in AWS, leveraging configuration management, CI/CD, and DevOps processes. Implementing cloud strategy in various environments.
- Excellent skills in applying Continuous Integration and Continuous Delivery.
- Excellent skills in applying Continuous Integration, Continuous Deployment and Continuous Delivery processes & tools [Example: Git, Maven, Jenkins, ApacheTomcat, ShellScripting, Docker, etc.].
- Worked on Jenkins by installing, configuring and maintaining for the purpose of continuous integration (CI) and for End to End automation for all build and deployments.
- Having basic knowledge of Python Technologies.
- Used **Ansible** for Configuration Management.
- Managed GitHub repositories and permissions, including branching and tagging.
- Excellent working knowledge on various virtual systems/ like Docker technologies.
- Containerizing applications with Docker. Responsible for managing the Docker private registry and having good knowledge of maintaining containers using Docker swarm.
- Having Good experience in Amazon Web Services environment and good knowledge of AWS services like Elastic Compute Cloud (EC2), Elastic Load Balancers **,IAM,** S3, Cloud Front, RDS, VPC, Route53, Cloud watch, Cloud Formation.
- Mainly Concentrated on : **EC2 (ELB, AUTO SCALING, EBS), VPC, IAM**
- Utilized **Cloud Watch** to monitor resources such as **EC2, CPU memory, EBS volumes**; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
- Actively manage, improve, and monitor cloud infrastructure on AWS, EC2 including backups, patches, and scaling.
- Worked at optimizing volumes and EC2 instances and created multiple VPC'S
- Implementation of NAT gateways for web apps hosted in private subnets.
- Setup and configured EIP to EC2 instances.
- Created Alarms and notifications for EC2 instances using Cloud Watch.
- Designing and Deploying Highly scalable infrastructure using ELB and Auto Scaling services.
- Setup and managed security groups, VPC specific to environment.
- Creating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
- Created AMI images of critical ec2 instances as backup using AWS CLI and GUI.
- Utilize EBS to store persistent data and mitigate failure by using snapshots.

- ➢ Attaching or Detaching EBS volume to AWS EC2 instance.
- ➢ Knowledge of how to configure and managing S3 storage.

Skill Set

Cloud Technologies	: AWS (Amazon web services) EC2, VPC, IAM, S3, CLOUD WATCH
Devops Technologies	: Jenkins, Ansible, Docker, GIT, Python, Shell Scripting.
Web Server	: APACHE
Protocols	: TCP/IP, SSH, HTTP, HTTPS, SMTP, RDP.
OS Platform	: Linux, Windows

Work Exposure

Organization	**: SRM Technologies Pvt.Ltd.**	
Position	**:** Senior Programmer	**Experience: 3.5 Years**
Date Joined	**:** 06th July 2018	**Date Left:** 29th December 2021

Professional Experience

Worked as a Permanent employee as a Senior Programmer in SRM Technologies, Chennai.

Roles & Responsibilities:

- ➢ Create and maintain fully automated CI/CD pipelines for code deployment.
- ➢ Actively manage, improve, and monitor cloud infrastructure on AWS, EC2 including backups, patches, and scaling.
- ➢ Used **Ansible** for Configuration Management.
- ➢ Automated build and deployment using **Jenkins** to reduce human error and speed up production processes.
- ➢ Managed GitHub repositories and permissions, including branching and tagging.
- ➢ Containerizing applications with Docker. Responsible for managing the Docker private registry and having good knowledge of maintaining containers using Docker swarm.
- ➢ Works on AWS Services but Mainly Concentrated on: **EC2 (ELB, AUTO SCALING, EBS), VPC, IAM.**
- ➢ Setup/Managing VPC, Subnets; make connection between different zones; blocking suspicious ip/subnet via ACL.
- ➢ Setup/Managing CDN on Amazon Cloud Front to improve site performance.

- ➢ Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS).
- ➢ Utilized **Cloud Watch** to monitor resources such as **EC2, CPU memory, EBS volumes**; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.

Organization	**: Techland Automation.**	
Position	: Firmware Engineer	**Experience: 1.0 Years**
Date Joined	: 15th June 2017	**Date Left:** 26th June 2018

Professional Experience

Worked as a Permanent employee as a Firmware Engineer in Techland Automation, Trichy.

Description:

It is an efficient control system for delivering very small quantities of drugs over long periods of time (say 1mL / hour). The control system is not only intended for infusing anesthesia but also for infusing medication or nutrients into a patient's circulatory system for therapeutic purposes.

The heart of the control system is PIC16F877A microcontroller which very precisely controls a stepper motor and dispenses the desired volume of liquid over a long time interval. The microcontroller will control the stepper motor steps as well as the timing to achieve the set point. The microcontroller will have auxiliary inputs for sensing the end of the plunger, and Occlusion detection.

The specialty of the system is variation of bolus by the user. Bolus is single dose of drug usually injected into the blood vessel over a short period of time. This system will have a unique PCA (Patient Controlled Analgesia) probe. When the patient needs to self-administer pain medications, they can make use of the PCA probe, which will initially dispense larger dose to reduce the pain and reduce automatically the dosing volume in due course, but at the same time maintain the total volume of drug as determined by the physician.

The other specialty of the system is battery backup which will continuously run the machine for four hours upon power failure. During power failure the microcontroller will take the advantage of sleep mode operation. The entire project is developed using PIC16F877A, MP LAB IBE with PIC KIT3 Debugger.

Work Exposure

Organization	**: Atrity Info Solution Pvt.Ltd.**	
Position	: Software Developer	**Experience: 1.0 Years**
Date Joined	: 17th May 2016	**Date Left:** 12th June 2017

Professional Experience

Worked as a Permanent employee as Software Developer in Atrity Info Solution Pvt.Ltd, Chennai.

Roles & Responsibilities:

Project Title : **News7 Application**
Client   : **News7.**
Description   : This project is a web based application. It has three modules of Asset Master, Asset Tracking Transaction and Reporting .This Project is used for tracking the CheckOut, CheckIn and Transfer of assets.

Project Title : **SAMA Reporting Parameterization Application**
Client   : **BSF Bank Saudi.**
Description   : SAMA Reporting Application is a data maintenance tool to store and maintain the parameter tables used for SAMA Reporting data process.
Project Title : **BTS**
Client   : **BSF Bank Saudi.**
Description: BTS Application maintain all the banking parameter used for various process and projects like Branch setup, ATM Codes, Product Setup, assigning Privileges, Fransi Plus and Fransi Tadawul.

Education

•   Completed **Bachelor of Engineering in Computer Science** at K.Ramakrishnan College of Technology-Trichy with Aggregate of 67 %, affiliated to **Anna University-**Chennai on April 2015
•   Completed **Diploma** at M.I.E.T Polytechnic College-Trichy with Aggregate of 78 %, affiliated to **DOTE-**Chennai on April 2012.

Personal Details

Name	: Mohamed Ali G
Sex	: Male
DOB	: 28th September 1993
Languages Known	: English,Tamil
Nationality	: Indian