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**Exp – 2+ Years | AWS | DEVOPS | PYTHON**

**Experience Summary**

* **6 years**of experience as a Cloud Engineer inautomating,developing, Devops& testing distributed applications usingon-premises and **Cloud technologies**.

5+ years of Experience in Cloud Technologies like **Azure**/**Amazon Web Services (AWS)** exclusively in provisioning **Single & multi-tenant** applications.

* Design expert on providing **high availability, serverless, scalability, reliability, resilience, security (Hardening), cost optimization** and measuring them.
* Experiences in converting applications from **monolithic, micro services &serverless (cloud level)** based on SLA & SLO measurements.
* worked in high automation programs with **Python** and **PowerShell.**
* Worked on Azure Services like **Networking, Compute, Storage, Serverless** on Design/development Security applications.
* Worked on AWS services like **EC2, S3,IAM, Lambda function,boto, CDN, route 53,elastic bean stack, CloudFormation templates, API’s, telemetry monitoring, cloud watch, VPC, Direct connect, API Gateway, AWSCLI,SNS, SES**.
* Version control and source code management using the **GitHub**.
* Automation of build process (Build Automation) using the **Jenkins** and **Git**.
* Maintaining the **docker containers** and writing docker file to install Jenkins.
* Working experience in auditing & compliance for **GDPR process**for Europe data**.**
* Worked on setting up end to end **telemetry**for application and infrastructure, logs.
* Working experiences in **Fault tree analysis, FMEA, Scan test, ISRM guidelines**.
* Provide 24X7 end to end support while high severity issues with **white glove process**.
* Document Application, system, backup procedures, troubleshooting guides, and keep infrastructure and architecture drawings current with changes.

**Technical Skill Set:**

**OS**: Linux and Windows Server.

**Scripting**: Python, PowerShell.

**Cloud technologies:**AWS (Amazon Web services)& Azure.

**Monitoring tools**: Both agents& agent less infrastructure & log monitoring for telemetry.

**IDE**: Python IDE., PowerShell ISE.

**CI/CD tools**:Jenkins, Ansible, VSTS

**Version control**: Git-Hub, Bit bucket.

## **ACADEMIC QUALIFICATIONS:**

**Master’s in computer science engineering (MTech)** from Bengaluru university Karnataka.

**Project Experience**

**Name:**Verveba

**Duration**: Sept 2018-till date.

**Company**: Richardson

**Role**:Senior Cloud engineer.

**Description**:

Vervebaforecasting helps customer sales member/managers/CTO’s planning their future activities, providing each of them with a business plan for managing their territory. PA is the tool that helps them identifying the necessary sales teams to meet their targets. The more accurate the sales forecast, the better prepared your company will be to manage its inventory, avoiding both overstock and stock-out situations.

Responsibilities:

* Worked exclusively on making applications complete end-end automation, easy deployable, more scalable and highly available system in AWS (load balancing) withpython and PowerShell.
* Completely responsible for during POC on AWS & product automation.
* End to end SQL DB backup & restore using power shell scripting.
* Worked on Hardening concepts for instance, application & DB protection layer.
* Exclusively worked on VPC, Subnets concepts, AD, EC2, Auto scaling & Security Groups.
* Full stack backend python development for automation.
* Worked on network tools for scanning& sniffing like wire shark &nmap.
* Creating of AWS Cloud formation templates on creating IAM Roles & total architecture deployment end to end (Creation of EC2 instances & its integration).
* Creating of pillar & grains for automation of the Application with configuration Management tool Salt Stack Server.
* Create system appreciation document.
* Auto deployment of log & other plugins into the production servers.
* Continuous testing the automation until it moves to production servers.
* Total scripting on windows & non windows application (backend).
* Key player in doing POC’s on AWS Services in replacing our own functionalities with AWS Services.

**Name**: Financial Planning Tools

**Duration**: Sept 2015-2018.

**Company**: AlMasraf Markets

**Role**: Cloud engineer.

**Description**:

AlMasraf Markets is a portfolio management firm. Investment Philosophy is a combination of diversification, technical, analytical, fundamental and strict and tight risk management rules. Our Minimum suggested Investment starts from $ 20,000.00 US Dollars with no capital lock up. Investors have full access to 24/7 reporting system to monitor their trades via web and mobile and may withdraw their funds partially or fully at any given time.

Responsibilities:

* Full stack python development using AWS boto2/3 for automation in cloud.
* Evaluating performance of EC2 instances their CPU, Memory Usage, IOPS, Network Usages and suggest appropriate instance type for the same
* Working on AWS Elastic load balancing for deploying applications in high availability
* Working on AWS Auto Scaling for providing high availability of applications and EC2 instances based on the load of applications by using Cloud Watch in AWS.
* Using AWS S3 to store code bundles to deploy onto EC2 Instances
* Managing the infrastructure of applications on AWS.
* Working on providing DNS management using AWS Route 53.
* Suggesting the best possible services of cloud as per requirement.
* EBS Volumes management and working on creating snapshots for backups manually and using script.
* Worked in configuring Elastic Bean Stalk for developers to quickly deploy application for testing and pushing developed code for testing.
* Environment: Amazon Web Services, AWS elastic compute cloud (ec2), Elastic Load Balancer (ELB), Simple Storage Service (S3), Virtual Private Cloud, Auto Scale, Relational Database Services (RDS), Cloud Front, NACLs, Security group Configurations, Route53.