ARUN BALLOLLI

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Professional Summary

Experienced and knowledgeable information technology professional with total 4 years' experience also has efficiency in handling both ETL and data warehousing solutions.

Extensive experience of 2 years in designing available, cost-efficient, fault-tolerant, and scalable distributed systems on AWS; exposure in AWS deployment and management services; ability to identify and define technical requirements for an AWS-based application. Knowledge of recommended best practices for building secure and reliable applications on the AWS platform; understanding of the basic architectural principles of building on the AWS Cloud; knowledge of the AWS global infrastructure; understanding of network technologies as they relate to AWS Sound understanding of security features and tools that AWS provides and how they relate to traditional services; proven experience assessing clients workloads and technology landscape for Cloud suitability, develop business case and Cloud adoption roadmap .

Experience provisioning and spinning up AWS Clusters; significant knowledge of best practices and market trends pertaining to Cloud and overall industry to provide thought leadership (seminars, whitepapers etc.,) and mentor team to build necessary competency

Skills

TECHNICAL SKILLS

- Scripting Language Python
- Database SQL Server, MySQL, Redshift, PostgreSQL
- Bug Tracking Tool Jira
- Network Protocols HTTP, SSL, TCP/IP, Ethernet
- Methodologies Design Patterns, Agile and Water Fall
- ETL Tool: Informatica Big Data Management
- Platforms: Amazon Web Services like Glue, Lambda, Redshift,
  Event bridge, SNS, SES, VPC, EC2, S3, ELB, AutoScalingGroups
  ASG, EBS, RDS, IAM, PostgreSQL, Security manager etc.

SOFT SKILLS

- Provide technical solutions that are sustainable, supportable & scalable
- Strong problem-solving and analytical capability and ability to innovate
- Ensure developed solutions are scalable, maintainable, resilient and fully testable
- Deploying, managing, and operating scalable, highly available, secure, and fault tolerant systems on AWS
  Good knowledge with scripting languages to automate tasks(Python)
- Strong programming skills, along with excellent problem solving and debugging abilities
- Strong foundation of knowledge around AWS cloud services and cloud ecosystem
- Experience of building and delivering robust highly available solutions

Work History - Infosys Limited

Technology Analyst, 01/2020 to 11/2020
- Worked as Big data developer using Python programming language.
- Part of Design and architecture of project for Extract Transform and Load data.
- Developed Python script to trigger Glue job using AWS Lambda and Event bridge service.
- Worked on Encryption process while connecting database through Glue Python shell.
- Worked on .whl lib file creation for connecting database through AWS Glue Python shell.
- Passing external lib files pyarrow, s3fs, fsnpec etc. to Glue job to read parquet files in Python shell.
  Developed and implemented transformation and CDC logic as per client requirement.
- Developed and implemented Python script to load data from S3 to Redshift.
- Worked on typecasting module in Glue ETL process for data type compatibility with Redshift database.
- Configured AWS SNS (Simple Notification service) in Glue job for failure notification to client.
- Triggering job without using 3rd party vendor Scheduler tools (Autosys, Active batch).
- Created Glue Workflow for dependent jobs to run automatically.
  Using Glue gob created trigger file in S3 bucket for reporting analytics.
- Make recommendations for process improvements .
- Naturally innovative, inquisitive, challenging and solution seeking .

Senior Systems Engineer, 01/2018 to 12/2019
- Deep expertise in AWS components & APIs Expert working knowledge of Operating Systems (Windows and Linux).
  Advanced knowledge of databases (SQL Server and MySQL) + Advanced knowledge of relevant web services, mail, backup, and application monitoring
- Designing and implementation of public and private facing websites on AWS Cloud.
- Migrating from On-Premise Infrastructure to AWS Cloud.
  Focusing on high-availability, fault tolerance, and auto scaling using AWS Cloud Formation.
- Configured and managed various AWS Services including EC2, RDS, VPC, S3, Glacier, Cloud Watch, Cloud Front, and Route 53 etc.
  Configured various performance metrics using AWS Cloud watch & Cloud Trial
- Used AWS Route 53 for configuring High-Availability and Disaster recovery to make environment up and running in case of any unexpected disaster.
- Maintained user accounts (IAM), RDS, Route 53, VPC, RDB, Dynamo DB, SES, SQS and SNS services in AWS cloud.
- Create AMIs for mission critical production servers for backup.
  Work with internal teams to create migration process of legacy systems to AWS cloud
- Worked with business unit managers to understand project scope, suggest possible alternatives and document each step of design
- Worked with Security division to design and manage IAM roles for users, vendors and other third-party vendors
- Effective in working both independently and in team setting

Systems Engineer, 09/2016 to 12/2017

- Refined and improved existing documentation system, resulting in reduced SLA for client and increased workplace
  efficiency
- Validating customers' requests and architecture on systems
  Design and configure applications to meet business process and application requirements.
- Investigate incidents caused by malicious activities, and identify false positives.
- IP build and validation based on customer and client requirements.
- Mentoring People Complete assigned tasks within time for SLA meet.
- Work closely with development teams to test applications and assist in providing direction for defect fixes and system
  enhancements.
- Monitor and test application performance for potential bottlenecks, identify possible solutions, and work with developers to implement those fixes.

Education

Bachelor of Engineering: Mechanical Engineering, 06/2016
BVB College Of Engineering And Technology - HUBLI

PU Education: 2012, 06/2012
Sukruti PU Science College – HUBLI

Hobbies

- Trekking
- Gaming
- Music
- Sports