Harika Yadla
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Summary:
• Having 7.2 experience in that 4+years of experience on AWS one generation cloud (Lambda, EC2, ALB, SES, AWS Cognito IAM, SNS, SQS,Redshift, cloud-formation, DynamoDB(basic), AWS sage-maker , quick-sight , Service catalogue support. Build Engineering, Build Management, Software Configuration Management and process Automation for code and environment builds with a wide range of supporting languages (NodeJS, python operating systems – Linux).
• Hands on experience in Programming language Node.js. significant knowledge on python.
• Experience in development of chat-bot through AMAZON Lex service (ALEXA).
 Hands on experience on the Machine learning Project

Experience
Company: Incture
Team lead in Incture AWS team
Bangalore, Katakana (from 09/2022- present)
Project Name: Smart Gigs
Client: Murphy oil & gas
Team Size: 10
Project Description: Development of the Job portal
Roles: Back-end developer
daily task:
1.   Designed the Flow diagram of the application.
2.   Designed the Architecture of the Infra in AWS cloud
3.   Provioned the AWS componet for the back-end env
4.   Integrated(React js) the Front end and back-end (Django framework).
5.   Maintain the Git repo for the project.
Tools and AWS services use: AWS cloud formation, API gateway, AWS lambda-function, IWA app for the authentication of the API.

Project Name: Murphy Machine-learning based ALARM
Client: Murphy oil & gas
Team Size: 5
Project Description: development of the ML model for the prediction of the Alarm in sensor of the oil well.
Roles: developer
daily task:
1 Setup PostgreSQL database in RDS.
2   Uploaded the RAW data from different sources in to DB.
3) Provison the AWS sage-maker studio for jupyter notebook.
4) Merged the data from the different sources and extracted the features from them.

5) Created the EDA for EDA - Target attribute Numerical attributes,Categorical attributes
6) Created the Baseline model training - Logistic Regression, Random forest XGBoost algorithim
7) Did Model comparison and analysis.
8) Cretaed the Lambda function for the model and attached to the API gateway.
9)
Tools and AWS services use: AWS cloud formation, API gateway, AWS lambda-function,
AWS sagemaker, AWS RDS, AWS IAM, AWS s3 , VPC.

Company: Brillio
Senior Software Engineer in Brillio
Bangalore, Karnataka (from 03/2021– 09/2022)
   1) Project Name: BMS AWS devops support.
Client: Bristol Myers Squibb
Team Size: 10
Project Description: Client Support for the BMS AWS Services.
Roles: Senior software developer
daily task:
1. Upgrading the AWS service catalogue KIT (cloud formation template) for AWS various services like ec2, rds.
2. Upgrading the AWS native services, runtime of the lambda function, certificate which are not compliance or deprecated.
3. Release new version of the AWS service product for service catalogue kit.

Tools uses: AWS Build tools for building the source code, AWS code commit for storing the source code, AWS CICD pipeline for deployment.
Step functions, AWS SDK, AWS lambda, Cloud formation, EBS, RDS.

   2) Project Name: AWS DevOps – Compound Request for CMI.
Client: Bristol Myers Squibb
Team Size: 1
Project Description: Migrating the legacy CR application into AWS cloud.
Roles: Node JS developer, Application Enhancement, AWS infra development and App-provisioning using AWS
service catalogue.
Infra development:
• Created the API gate way and services, Secure s3 using service catalogue (cloud formation templates-json).
• Developed Lambda function for callingRESTAPIfor the ORACLE dbofBMS for implementing functionality of
the front end.
App-provisioning:

• Developing the cloud formation templates which will be used by AWS service catalogue service form
deployment of aws infra and as well as source code.
Code repo: SVN

Company: TCS

AWS Cloud/DevOps Engineer in TCS
• **Bengaluru, Karnataka (from 01/2016 - 03/2021)**
 Project (1): Athena Fund Finance App migration
Team Size: 3
Project Description: Athena Fund finance is the java-based application with backend as AWS elastic search database.
 Roles: aws infra development and App provisioning.
 Task Covered by Me:
   (1) Database setup:
   • Provision the elastic search domain through AWS cloud development Kit AWS – CDK.
   (2) Storage setup:
   • Developed code for provisioning the S3 buckets for storing the User data and for taking manual Snapshot for the Elastic search DB.
   (3) Application Setup:
   • Provision the ALB, Auto Scaling group, ASG policies with CFT for web App.
   • Created Shell scripts to install the Apache server in EC2 automatically during the auto scaling process.
   • Developed Corn job for automation of the manual Snapshot process.
   3) In Front end:
   • Enhance the existing features of this JFRAME based App as per the business requirement.
   • Debug the error which comes into the Application error logs and solve on a daily basis.
   • Integrate the new modules of the front-end App with backend Elastic search database using ES AWS rest API.
   (5) In Backend server:
   • Setup the CDK environment in the server for creating the App server deployment, backend deployment.
   • Perform the daily health checks of the infrastructure (ALB, ES domain, target group, Appserver).
   • Automating the Elastic search query task via Boto3 (python). Setup the Splunk forwarder (curator) in the app server for reporting the P1, P2, P3.
   (6) Infra testing:
   • Developed test case for verifying the AWS artifact during build phase using AWS CDK (type-script language).

   Project (2): NGO (employees on-boarding)
   Role: Developer

Descriptions: Re-engineering of the process of CBA Employee onboarding Applications. migration of the application from legacy system to CBA AWS Non prod cloud. Responsibility and daily task:

• **Infrastructure setup task: (Phase 1): -**
1) Done the Whitelisting of the AWS services for this application.
2) Developed the Cloud formation code for provisioning the VPC, Subnets, security. groups, db-security groups for the backend DB, IAM roles for the USERS (IAM roles, CIDR range, Ports provided by the CBA Network administrator team)
3) Provision the ALB, Auto Scaling group, ASG policies with CFT.
4)Knowledge in Teraform and GIT
• **Service Creation task (Phase 2): -**
1) Created the python service (lambda function) for cloning the files with the latest commit id from the GitHub repo of the employees' details.
2) Developed the python code (lambda function) for sending notification to the users regarding account creation.
3) Attached lambda functions to the Step function
• **Deployment task (Phase3): -**
 Developed theCFTcode for creating, Pipeline for building, Deployment of the cloud Artifacts. Other technologies used: GitHub, Jira docker

Project-3 TCS R&D CHATBOT
project Description: Developed chatbot for the Oracle Finance and Retail Application. It includes a business use case of invoice inquiry, creating the business expense, item enquiry, order enquiry.
Role: Developer
Daily Task:
• Collected the Business use case from the Oracle finance SME Frontend Development task:
1) Use AWS lex service to create the bot.
2) Define Intents, Intent Slots inside the bot.
3) Developed the lambda function for capturing the event from the chatbot, request parameter from the bot and pass this to Oracle rest api to fetch the details and display the results.
 4) Created Dynamo db table for storing the chatbot user data.
Deployment:
1) Use serverless Framework for provisioning the lambda function into AWScloud.
 2) Use Slack channel to publish the Lex chatbot from AWS to Slack.
   Technology Used: AWS lex services, lambda function, DynamoDB. Node.js Cloud formation.

Project-4 HBC (Retail and merchandise process automation and production support)
Description: HBC is a big retails company that includes various ERP applications like POS, JDA, Pricing, Finance. All these applications are the upstream and downstream of the Retail and merchandise.
Daily Activities:

1) Generate various kinds of reports on adhoc basis as per the request from the Business user.
 2) Do the reclassification of the items, do the price change, inventory write-off for the items as per the request.
3) Developed the shell scripts for the Automation of the various business repetitive requests. like Transfer creation, Order creation, close.

Education:
• Graduation: BE (IT)
 • **College:** HCET RGPV road
 • Batch (2011 – 2015) CGPA: 7.

External Certifications
: • Completed Exam of AWS architect Associate

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I am hereby confirming that above details are correct.

Signature: Harika Yadla

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