Revanth Baskar 

Data Engineer| 302-419-7339 | revanthbaskar92@gmail.com

# Summary

* 3+ years of IT experience in AWS, Big Data, Backend Development, Data Visualization.
* Possess intensive knowledge of complete Software Design Lifecycle including design, development, testing and implementation of moderate to advanced complex systems.
* Worked on various Services of AWS: EC2, S3, ELB, RDS, SNS, SQS, Glacier, IAM, VPC, Cloud Formation, Route53, Cloud Watch.
* Proficient in AWS IAM security framework - creating roles, policies, groups, users, using security groups with inbound / outbound rules.
* Experienced with event-driven and Scheduled AWS Lambda functions using Python 3.6 to trigger various AWS resources like DynamoDB, S3, Glue, Kinesis.
* Scaling and wrote Lambda functions in AWS DynamoDB Data Modeling and to generate e a response to API requests.
* Development of Spark SQL Scripts.
* Designing automated data pipeline workflows that gather data from multiple external systems and ingest incremental data into historical data.
* Good experience in AWS Glue (ETL) service and used it to catalog data and enrich it and move it reliably between data stores using Scala or Spark.
* Involved in data preparation for various statistical modeling which includes data cleaning, data analysis, data validations, data triangulations and preliminary data reporting.
* Worked on analyzing Hadoop cluster and different big data analytic tools including Map Reduce, Hive, and pig and good understanding of Hadoop Architecture and Demons such as HDFS, Name Node, Data Node, Job Tracker and Task Tracker.
* Hands-on experience developing workflows that execute MapReduce, Sqoop, Flume, Hive and Pig scripts using oozie.
* Loaded and transformed large sets of structured, semi structured, and unstructured data with Map Reduce, Hive and pig.
* Experienced in analyzing data using HQL, Pig Latin and extending HIVE and PIG core functionality by using custom UDFs.
* Experience in writing complex SQL Queries to generate reports as per clients’ requirement.

# Education

# Master of Science in computer science

# Bowie state university

Bachelor of Engineering in Computer Science Engineer

Satyabhama University

# Certification

AWS Certified Developer – Associate

# Technical Skills

|  |  |
| --- | --- |
| Programming Languages: | Python, PySpark, Shell Scripting |
| Big Data Ecosystems | Hadoop, MapReduce, HDFS, HBase, Hive, Pig, Sqoop. |
| AWS Services: | S3, Lambda, EC2, DynamoDB, Glue, Athena, IAM, VPC, AWS CLI, SNS, SQS, kinesis, RDS, CloudFormation, CloudWatch, Data pipelines, Route53. |
| Scripting Languages: | JavaScript, HTML, CSS and Bash. |
| Visualization Tools: | Tableau, Power BI. |
| Tools/Technology: | Eclipse, JDeveloper, MS Visual Studio. |
| Databases: | SQL, Oracle, HBase. |
| Methodologies: | Agile, waterfall. |
| Project Management tool | Redmine. |

# Experience:

# Nexzentek Inc

# End Client: CareCentra, NY Oct 2018 – Present

# Aws Engineer

# Responsibilities:

* Used IAM to set up user roles with corresponding user and group policies using JSON and add project users to the AWS account with multi-factor authentication enabled and least privilege permissions.
* Setting up CRON jobs using Cloud Watch to schedule tasks.
* Collecting Data from various sources, building, maintaining data pipelines and processing data via these pipelines, generating ETL scripts to catalog and process data from Databases (OLTP) to Data Warehouses
* Responsible to monitor the jobs in production cluster while and trace the error logs when the jobs fail.
* Designed and built Alexa skills with AWS lambada and amazon Alexa for the nudge pathway which the team sending manually through text.
* Create new application plans, graphics, and coding directly from the client reequipment.
* Migrating data, applications, from an organization’s on-premises infrastructure to the cloud.
* Created new AI chat bots with help of Twilio autopilot to send our nudges to the clients and reply to the patient based on their response.
* Created new AI chat bots with help of AWS Lex to help the patient to book appointment with their doctors.
* Excellent backend skills in creating and managing SQL objects like Tables, Stored Procedures, Views, Indexes, triggers, Rules, Defaults, user defined data types and functions.
* Excellent problem analysis and solving skills.
* Has the ability to work in a fast-paced environment, good team player and can work independently.

**Environment:** Amazon Web Services: EC2, Route 53, S3, IAM, Cloud Watch, Lambda and AWS CLI, SQL, Redmine and Postman.

**United Software Group Inc**

**End Client: Data-Lake Solutions, Ohio July 2017 – Oct 2018**

**Data Engineer**

**Responsibilities:**

* Designing and deploying a multitude application utilizing almost all AWS stack (EC2, S3, VPC, ELB,

Auto Scaling Groups, Route 53, IAM, CloudFormation, Lambda, Glue, SQS, Kinesis) focusing on high-availability, fault-tolerance and auto-scaling.

* Involved in constant indulging and coherent working with concepts of Python in Lambda.
* Developed serverless architecture using API gateways, Lambda, Kinesis, and DynamoDB.
* Experienced in the installation of AWS CLI to control various AWS services through SHELL/BASH scripting.
* Worked on AWS S3 services creating bucket, configuring buckets with permission, logging, versioning and tagging.
* Deployed a static website using Amazon S3 for hosting, Lambda functions as backend server processing, DynamoDB for database and API Gateway for RESTful endpoints.
* Created LAMBDA functions using Python v3.6 to trigger event-driven functions for DynamoDB, S3 Glue, Kinesis and view logs in Cloud Watch.
* Set up an Integrated response to the API Gateway requests from the backend (DynamoDB) to client using Lambda functions.
* Conducted POC to implement serverless cloud architecture using AWS Lambda, Glue, S3, Kinesis.
* Involved in supporting cloud instances running Linux and Windows on AWS, experience with Elastic IP, Security Groups and Virtual Private Cloud in AWS.
* Creating S3 buckets and managing policies for S3 buckets and utilized S3 bucket and Glacier for storage and backup on AWS.
* Compressed large datasets into parquets files using spark in Hadoop ecosystem and transferred them to multiple AWS services for visualization and reporting purpose.
* Worked on migrating MapReduce programs into Spark transformations.
* Cross region replications of data in S3 and archiving less frequently used files to Standard-IA and then finally into Glacier.
* Used AWS Kinesis stream and firehose to manage and process streaming data with large throughput.

**Environment:** Amazon Web Services: EC2, Route 53, S3, VPC, IAM, Cloud Watch, SNS, Lambda and AWS CLI, Hadoop, Hive, Spark.

## admatic it services, Chennai, india JAN’2014– AUG’2015

## Program analyst

**Responsibilities:**

* Worked on analysis of dataset related to insurance and financial industries.
* Analyzed or transformed stored data by writing MapReduce or Pig jobs based on business requirements.
* Connected to AWS EC2 using SSH and ran spark-submit jobs
* Shell scripts to dump the data from MySQL to HDFS.
* Hands on experience in working with Echo-systems like Hive, Pig, Sqoop, Map-Reduce, Oozie.
* Developed pig scripts to process HDFS Data.
* Developed Pig Latin scripts in the areas where extensive coding needs to be reduced to analyze large data sets.
* Developed Pig Latin scripts to do operations of sorting, joining and filtering source data.
* Managed and scheduled Jobs on a Hadoop cluster.
* Import data using Sqoop into Hive and HBase from existing SQL Server.
* Involve in create Hive tables, loading with data and writing Hive queries which will run internally in MapReduce way.
* Tuned ETL jobs/procedures/scripts, SQL queries, PL/SQL procedures to improve the system performance.
* Wrote SQL and PL/SQL scripts to perform database testing and to verify data integrity
* Experienced in handling semi/unstructured data using complex map-reduce programs.
* Extensive experience in working with UNIX, Linux and writing shell scripts.
* Managed and scheduled Jobs on a Hadoop cluster.
* Exported data to Tableau reporting tool, created dashboards on live connection.
* Worked with Business team in gathering the visualization requirements.
* Used Selenium IDE for generating test scripts.
* Created web crawler with java script.
* Responsible for design and maintenance of the GIT Repositories.
* Build websites using WordPress, Prepared website proposals to present to clients and Provide technical support to clients.
* Created customized reports using various visualizations like, Text Tables, Bar, Pie, Tree Maps, Heat Maps, Line Charts, Pivot Tables, Combination Charts in Excel and Tableau.
* Used URL’s, Hyperlinks, and Filters for developing Complex Dashboards
* Worked with team of 5 on Creating an automated marking system with sikuli and developed sikuli code to automate the social media applications to post message by itself.

**Environment:** Hadoop, Hive, PIG, MapReduce, Java, Shell scripting, SQL, Python, HDFS, CDH4.3, Sqoop, Flume, Oozie, Web Crawler.