

In a nutshell:

1. Python Spark Big data analytics programmer
2. AWS certified developer
3. Google Bigquery developer
4. AMAZON Redshift developer
5. Python Programmer
6. NodeJS programmer
7. powerBI developer
8. Google tensorflow machine learning programmer
9. Django, Flask, Laravel, ExpressJS developer



Enterprise Software Architect: Can handle client calls. Can create actionable items from clients requirements. Can handle the project individually within budget. Can train freshers. Can design software systems. Can lead a software team.

Experience Milestones

AWS certified developer associate

AWS

AWS Appsync GraphQL	<ul style="list-style-type: none">● High performance aws appsync graphql gateway● Cognito Authenticated Secure gateway● Highly efficient Lambda Resolvers● Multiple Data Sources for the gateway● Gateway configured behind WAF● Uses AppSync Functions● Advanced Request mapping and Response mapping templates
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AWS DynamoDB	<ul style="list-style-type: none">● Very fast reads and writes● Uses Batch reads and Batch writes● Schema design for fast retrieval of data● Appropriate prefixes, suffixes for Partition Key and Sort Key● Even distribution of Primary key was ensured.● Point in time backups configured● Over 2 million records accessed with ease● MAP document datatype used for holding complex nested JSON Data● GSI was configured● DynamoDB Streams were configured for OLAP ingestion and processing
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AWS Glue	<ul style="list-style-type: none"> ● Heavy lifting using the powerful aws glue. ● Glue python spark ETL scripts ● ETL from aws redshift to S3 and vice versa. ● Powerful Spark transformations. ● Million row file transfers accomplished with ease ● Complex JSON inside CSV files ● Files without any defined Schema ● Creating CUSTOM complex AWS CRAWLER CLASSIFIERS ● Cloudwatch triggers for glue scripts ● Transfer subset of data from Redshift to Postgres for analysis by Tableau.
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AWS Lambda	<ul style="list-style-type: none"> ● ETL scripts using lambda ● Run COPY/UNLOAD stored procedures using aws lambda ● Lambda Chaining. Custom logging in lambda functions ● Both python and nodeJS lambda programming ● Using lambda for AWS gateway ● Triggering lambda endpoints using Cloudwatch ● Decoupling of intensive processes using aws SQS and processing the messages using a lambda endpoint. ● Completely serverless hosting using aws lambda and S3 with angularJS ● Using custom libraries with lambda layers ● Python and NodeJS lambda scripting
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AWS REST Gateway	<ul style="list-style-type: none"> ● Configuring AWS gateway with lambda endpoints ● Directly using SQS endpoint for lambda gateway using mapping templates ● Completely serverless dynamic scripts using AngularJS with serverless ● Using lambda authorizers for most secure AWS gateway experience ● Creating REST API gateway. API can be consumed by a variety of clients. ● Throttling of HTTP requests in the gateway ● Exposing only a limited amount of data from databases like DynamoDB etc.
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AWS Redshift	<ul style="list-style-type: none"> ● Administering Redshift data warehouse and Redshift Spectrum. ● Distributing the data amongst the nodes efficiently ● COPYing and UNLOADing data using glue, lambda ● Extracting a subset of data from a huge table to Postgres on a daily basis for further analysis using BI tools like quicksight, powerBI etc ● Designing table schema based on end use cases ● Using Redshift SYSTEM tables and commands to monitor the database continuously. ● Converting complex JOIN queries from one db format to another ● S3 to Redshift, Redshift to S3
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AWS RDS <i>Postgresql</i>	<ul style="list-style-type: none"> ● Converting complex SQL from one db type to another ● Configuring auto scaling both vertically and horizontally ● Horizontal read replicas to cater to increased load
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Mysql Sql Server Aurora	<ul style="list-style-type: none"> ● Plus fail proof and solid backup plans
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AWS VPC	<ul style="list-style-type: none"> ● Creating and administering complex aws networks VPC ● Replicating on premise networks on AWS using custom VPC ● Creating secure private subnets, public subnets ● Using NAT gateway, IG ● Creating peering VPCs ● VPC endpoints ● Configuring glue, lambda for whitelisted IP address requirements ● Jump Server/ Bastion hosts for more secure instance administration ● Setting up subnets for load balancing groups
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AWS- Other services	<ul style="list-style-type: none"> ● Load balancers and auto scaling setup ● AWS elastic bean stalk setup ● AWS kubernetes service ● AWS athena complex queries to query S3 files directly ● AWS Redshift spectrum to query S3 ● Using cloudfront to distribute content globally ● Completely serverless hosting using S3, angularjs, lambda, dynamodb ● AMAZON video encoding and live video streaming ● APPSYNC for graphql gateways ● AWS Fargate for dockers ● AWS EMR for huge file processing and map reducing
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BI

PowerBI	<ul style="list-style-type: none"> ● Creating complex visualizations through powerBI ● Sifting through multiple excel files, choosing the correct set of data and displaying only meaningful data ● Use odf datafeeds as data sources ● Live updation of powerBI visualizations ● Creating neat and elegant powerBI reports ● Used complex calculated columns and measures ● Powerful DAX programming
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Containers

Deploying applications on Kubernetes.

Converting existing applications to SaaS and suitable for kubernetes deployment.

Google Cloud

Deploying applications on Google Kubernetes.

Cloud Dataflow for complex ETL.

Bigquery for ingesting large amounts of data and running useful queries on the data

Simple ML using Bigquery

Cloud pub/sub

Cloud Bigtable

Firebase realtime database

ML

TensorFlow on Google Cloud

Cloud Vision API on google cloud

Python Keras and Pandas

Application Development

Frameworks:

CodeIgniter Development

CakePHP programming

Laravel development

Django programming

Flask programming

RoR development

Applications:

Opencart programming

Cubecart Development

Moodle programming

Zencart Development

Magento2 development

Web Development

Completed a range of projects in Php RoR Java jQuery etc.