PRABHAKAR GUPTA
Lead Technical Manager

CONTACT

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Techincal Skills

- Java J2EE
- Python
- AWS
- AWS Lambda
- Machine Learning
- BERT
- Mongo DB
- Django
- Blockchain
- React.js
- Microservices
- CI/CD
- Jenkins
- Shell scripting
- Microservices
- Graph db
- Elasticsearch
- Solr
- SQL
- Hadoop
- Hive
- Spark

PROFESSIONAL SUMMARY

- With 10+ years of work experience in the field of Information Technology, working primarily as a lead technical manager.
- Managed a team of 25+ in terms of task allocation, release planning, requirement gathering and played a role of scrum master as well.
- Worked on a variety of Big data Technologies like Hadoop, HDFS, Hive, Spark, Pig, Map Reduce, Sqoop, Flume, HBase, Impala, Mongo dB, Tez, Zookeeper, Yarn, Oozie, Ambari, Mahout.
- Worked on Cloud computing services like AWS, Azure and GCP. Worked on variety of Amazon Web services like Redshift, EMR, S3, Glacier, Data Pipeline, Lambda, Neptune, EC2, ECS, Lambda, MSK, Athena, Glue, Quick sight, Elastic search, RDS, Document dB, Comprehend, Translate, Textract, SQS, SNS, ElastiCache, DynamoDB, Autoscaling, ELB. Built a real-time data pipeline using Spark Streaming and Kafka.
- Built CI/CD pipelines using Jenkins, kubernets, docker, GIT.
- Worked on a machine learning project that created a knowledge graph for Question/Answer service using graph database -AWS Neptune, Solr, Tensor flow, Tinker pop, Gremlin, NLP, Python, DataFrames, Rest API's, Django, Angular JS, Numpy, Pandas, Scikit-learn, Scapy, NLTK.
- Worked on a deep learning data science project to create a Dashboard for user which calculates the similarity score and enables semantic search feature for the client using Python, Tensorflow, Bert, Scapy, Nlp, Nltk.
- Worked on a software development project to build highly responsive dashboard using angular, html, javascript. Building and integrating the Microservices and rest api's built using Python and java which query from Solr and dynamo db database.
- Worked on building Search Engine Optimization product using Python, Rest API's Django, AWS lambda, API gateway, Mongo DB, Angular JS, Postgres, Snowflake, AWS SQS, AWS SES, AWS SNS, AWS RDS, AWS EC2, Redis Cache.
- Worked on Frontend Technologies like HTML, CSS, Jquery, JavaScript, Angularjs, Twitter Bootstrap, Dashboard Designing using D3.JS.
- Developed scalable RESTful APIs to communicate with consumer facing Apps, internal and external services on Application layer.
- Posses good knowledge and experience in ETL and Data Warehousing Concepts and tools like Datastage , Pentaho, Redshift
- Worked on Automation tasks using UNIX Shell scripting, Data Pipeline, MySQL , Python to build internal tools to test models and run bulk data

CERTIFICATIONS

- Cloudera Certified Developer for Apache Hadoop (CCD-410) certification with an overall score of 95%
- Oracle certified Java Professional (OCJP-6), with an overall score of 93%.

ACCOMPLISHMENTS

● Awarded in Neuralmetrics for Golden Brick Award to complete 5 years in the organization.
● Awarded in Neuralmetrics for employee of the year 2021-2023.
● Successfully trained students of UPES university, Dehradun on Cloud and Artificial Intelligence
● Awarded "Top Performer for the Year 2016" in iQuanti for exceptional performance in the project.
● Awarded as 'Trendsetter' from Cognizant Technology Solutions for outstanding performance in the project
● Won the first place in robotics workshop conducted by li2 innovations.
● Been Star Performer in the team consistently and got very good ratings in yearly appraisals.
● Represented my college in ACM- International Collegiate Programming Contest (ICPC) sponsored by IBM.

WORK HISTORY

Oct 2017 – Current

Lead Technical Manager- NeuralMetrics, Bangalore

Project: Risk Prediction

Role: Lead Technical Manager

Project Specific Skills: Python, machine learning, AWS, Mongo DB, Tensor flow, google api's, Artificial Neural Network (ANN), Django, D3.js, rest api's, Microservices.

Description: Using machine learning algorithms to predict the risk of a healthcare patient for certain medical condition. Gather data from healthcare providers (Pathkind Labs) and hospitals to successfully complete this project. Developing dashboards using patient information and predicting the risks thereby.

Project: Knowledge Graph

Role: **Lead Developer**

Project Specific Skills: **Python, machine learning, AWS Neptune, Graph database, Solr, Tensor flow, google api's, Tinkerpop, gremlin, d3.js**

Description: Building graph database with millions of nodes and edges for Question/Answer service for our clients and visualizing the results using d3.js

Project: SmartRatio

Role: **Full Stack Developer**

Project specific skills

Role

Project Specific Skills: Python, solr, elasticsearch, machine learning, AWS, Mongo DB, Tensor flow, google api's,, Django, angular.js rest api's, Microservices.

Description: Now it is possible to extract deep knowledge about companies and individuals from the internet in just seconds, resulting in more reliable, actionable data. This publicly available data is synthesised from thousands of sources and thousands of data points, leading to measurable improvements that significantly impact your bottom line. On demand. In real time. At your fingertips.

Project: Instruments Analysis using Big data and Artificial Intelligence (NISSAN)

Role:

Project specific skills: Python, ANN, machine learning, numpy, pandas,spark,sql,AWS,lambda,api gateway,EMR

Description: Storing huge and varied instruments data of client in a data lake and performing artificial intelligence on top of the data to predict defects, faults in an instrument by doing spectrum analysis, image analysis and other ai approaches.

EDUCATION

2013
MS RAMAIAH INSTITUTE OF TECHNOLOGY - BE in Computer Science - 9.1 CGPA

2009
METHODIST HIGH SCHOOL (ISC)
12th- 91%

2007
METHODIST HIGH SCHOOL (ICSE)
10th- 90%

Oct 2015 – Oct 2017

Senior Big Data Developer - Iquanti, Bangalore

1. Data Platform Developer
Project Specific Skills: Python, Django, Mongo dB, Postgres, AWS, Angular, Redshift

Description: Terabytes of data migration from Amazon S3 and Mongo DB in SQL Quarriable format to Amazon Redshift. This helps the analyst folks to do there data collection part. The Architecture involves importing real time source data using Spark streaming into S3. Once the file lands at S3 a message is populated in AWS SQS and an event is triggered which parses and cleans the files using Python. The parsed data is then dumped into snowflake and Redshift and an email is then sent to client using SES.

2. ALPS 1.0
Role: Developer.
Project Specific Skills: Python, Django, Mongo dB, Postgres, AWS, Angular

Description: ALPS optimizes the site (Search Engine Optimization) around effective keywords that drive relevant traffic to maximize conversion. It is powered by an analytics driven keyword prioritization engine, a traffic estimator and testing platform for pre-launch simulation. Involves designing API's using REST framework which interacts with the data stored in mongo dB and postgres. The API's interact with the Frontend using angular.

3. Web Based tool Developer
Project Specific Skills: Python, jQuery, HTML, MYSQL, Hive and Sqoop

Description: It is an EDW Offloading Solution, enabling better performance, scalability and cost optimization. It is a well-defined solution to offload data from multiple source system(s) to Big Data platform.
Some of the Key highlights of the project are: 1. Reduces Development and Unit Testing efforts by 40% to 50% for DW Offloading projects. 2. Cost Optimizes Hybrid batch processing and Storage Platform

Aug 2013 – Oct 2015

Big Data developer – Cognizant Technology Solutions,

Bangalore

1.Big Data-Analytics Solution
Role: Developer
Client: Time Inc.
Project Specific Skills : Hadoop, Java, Hive and Impala, AWS, EMR, Redshift, Data Pipeline

Description : Created the architecture and design of this project. The project involves moving unstructured source data (sales data & media data) in the form of flat files as structured data from Amazon Web Services (AWS) S3 environment to AWS Redshift platform using Amazon EMR and Data Pipeline for automation. The intent of the project is to understand the use of Big Data Technologies (Mongodb, Redshift and S3) with business use cases using Sales and Social media data.

2. Airlines
Role: Developer
Project Specific Skills : AWS Redshift, Analysis tool for reporting, Amazon S3, Micro strategy, Amazon EMR, Data Pipeline, Spark
Description: The Airline data is downloaded from the given source. Ten years of historical data is analysed to extract necessary information. The data is extracted and loaded into Hive tables after which Java programs are used for cleaning and parsing the data. Hive and Impala are used to query the data and display the results on web UI using MicroStrategy.

3. Web Log Analytics
Role : Developer
Client: Amex
Project Specific Skills : Hive, HBase, Java, MapReduce, flume, D3.js, Spark, Spark streaming
Description : Web Log Analytics is an initiative by Client to be able to provide more statistical information about their website. The log files located on web servers are analysed to extract useful information. Java API is used to query the data (Number of hits, IP to location, most popular page, and most popular keyword found etc.) and display the results on web UI. Objective of the project is to be able to extract intelligence from more sources, faster than ever before by creating a scalable big data solution based on Hadoop, flume, HIVE, HBASE, Spark technologies as well as the capability to create a subset of data for reporting and analysis.