

RESUME

GANESHNATHAN K

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CAREER OBJECTIVE

To secure a position whereby I can apply acquired knowledge and skills, working in a team environment, there by continuously growing and contributing to the main objectives of the organization while being resourceful, innovative and flexible.

PROFESSIONAL SKILLS

Big Data Technologies : Spark, Hadoop-YARN, HDFS, Hive & oozie
Programming Languages : Core JAVA, CSS, HTML, Spark Scala, Unix, HQL, Unix & shell
ScriptFramework and tools : Spark, Airflow, Nifi, Cymdr, putty & Winscp
Testing : Junit
Build Management : Maven & Jenkins
Database Technologies : MySQL, AWS cloud database (S3 & Athena), Snowflake, Cassandra & Couchbase
IDE : Eclipse& STS
Platform : Windows & Linux6.x
CI/CD : Jenkins & GIT
Packages : JIRA, Confluence & MS Office

EXPERIENCE SUMMARY

1. TCS – Crown Solutions Pvt Ltd

Apr 2021 to June 2022

Project Title	Marriott International
Client	US
Role	Data Engineer
Technology	HDFS, Mapreduce, YARN, Apache Nifi, Hive, Pig, Hbase Oozie, Spark, Core Java, Python, Scala, SQL, Snowflake, Casandra, snowsql, sparksql, Airflow, AWS S3.

Project Description:

Data Platform Applications are in IBM cloud based Hadoop ecosystem and providing analytical capabilities on Reservations data from MRDW (Marriott Reservations Data Warehouse) and it get this data from Marriott Automated Reservation System for Hotel Accommodations (MARSHA)), Rewards data from MRW (Marketing and Rewards warehouse) Scales data from SRW (Scales Reporting Warehouse), Daily call transcripts and analytics data from Nexidia and web analytics Click Stream data from Adobe.

Roles and Responsibility:

- Good Exposure on Hadoop Eco System and Apache Hadoop Mapreduce programming PIG Scripting, HQL & HDFS.
- Experience in Core Java & average level of experience in python & scala.
- Scheduled workflow using Oozie workflow engine.
- Created Athena table Schemas and wrote sql queries.
- Perform data analytics and load data to Amazon s3.data lake.
- Created Airflow DAGs using python to transfer the data from S3 to snowflake using snowsql & sparksql.
- Having experience with snowflake cloud data warehouse & AWS S3 bucket for integrating data from multiple source system which is loading nested JSON formatted data into snowflake table.
- Experience in snowflake clone and time travel.
- Experience in various data ingestion patterns to hadoop.
- In-depth knowledge of snowflake database, schema & tale structure.
- Develop snowsql queries & partitioned HQL to perform business transformations on the data.
- Involved converting Hive/SQL queries into spark transformations on the data using hive.
- Creating ETL pipeline for ingesting, filtering and transforming data & bringing into refinement layer.
- Worked on analyzing Hadoop cluster and different big data analytics tools including Hive, Spark, Mapreduce etc..
- Developed Spark job that maps raw data of different proto files into parquet files, store them into the HDFS and make them query able via HIVE.
- Experience in Databases like Casandra, Postgres & Couchbase. Experience in Hadoop commands, unix & Shell scripts.
- Experience in Java/jdk 8, Maven, Spring, XML, Web Services, log4j, HTML, javascript & Junit.

2. NIC-Luminous Infoways Pvt Ltd, Pioneer e- solution Pvt Ltd**Mar 2017 to Aug 2019**

Project Title	eProcurement (GePNIC)
Client	Govt (CPPP)
Role	Assistant Programmer
Technology	Core Java, Mysql, HTML, Java Script, IDE - Eclipse, STS

Project Description:

The Central Public Procurement Portal of Government of India facilitates all the Central Government Organizations to publish their Tender Enquiries, Corrigendum and Award of Contract details. The primary objective of this portal is to provide a single point access to the information on procurements made across various central government organizations.

Roles and Responsibility:

- Involved in implementing Core Java.
- Involved in coding for DAOs, Services and controllers Spring MVC.
- Support developers to design testable code through verifications.

- Managed testing for the newly purchased for customized collateral system. Interaction between development and validations teams for effective communications.
- Responsible for all technical support issues and Managed the support team to have regular discussions with client and the team for the approach and about the feasibility of the requirements.
- Having experience in automation testing using selenium tool.
- Responsible for getting query data correctly by using SQL queries.
- Testing all cron job systems whether it is running properly or not in daily basis.
- Often called on to examine a software performance issue for a customer and determine the source of the problem.
- Part of a team that helped to create new testing criteria for an innovative form of control software
- Responsible for all technical support issues and managed the support team to have regular discussions with the client and team for the approach and about the feasibility of the requirements.

3. TNQ Books and Journals Pvt Ltd, Chennai

Feb 2016 –Feb 2017

Project Title	Dartmouth Journal Society
Client	PNAS (Multidisciplinary scientific journals), USA
Role	Team Member (3B2 Pagination)
Technology	Xml, html

Project Description:

Dartmouth journal society having many Multidisciplinary scientific journal, Our products combine with each other in surprising ways. The HTML created for Peer Review and xml created by Ingest Central is consumed by the workflow systems, helping to drive the rest of publishing process. Combine the whole document and verify with original document update revises document and check the full coding.

Roles and Responsibility:

- Experience encompasses Books and Journals design, pagination, development and testing.
- Experience in interacting, gathering and understanding the requirements from client.
- Experience in xml, html language to develop the graphic designs and styles as per client requirements.
- Go through the XML coding and change the tags as per request from the clients documents.
- Have regular discussions with team for the approach and about the feasibility of the requirement.
- Test the full document, coding as per styles, clear all the errors and verify at the final stage.

ACADEMIC PROJECT DETAILS

Project Tile: Secure, Safety and revocable data for multi-authority cloud storage system.

Project Abstract: Multi-Authority Attribute-Based Encryption (CP-ABE) is an emerging cryptographic primitive for enforcing fine-grained attribute-based access control on the outsourced data in cloud storage. However, most of the previous multi-authority attribute-based systems are either proven to be secure in a weak model or lack of efficiency in user revocation. In this paper, we propose MAACS (Multi-Authority Access Control System), a novel multi-authority attribute-based data access control system for cloud storage with AES jasypt algorithm. We construct a new multi-authority ciphertext-policy ABE (MA-CP-ABE) scheme with decryption outsourcing

EDUCATION

- Bachelor of Engineering and Computer science (BE.CSE) – Anand Institute of Higher Technology, Anna University, Chennai. (2011-2015) – First class.
- HSC – Government Higher Secondary School, Jayamkondam. (2011) – First class.
- SSLC– Government Higher Secondary School, Jayamkondam. (2009) – First class.

TRAINING, CERTIFICATIONS & AWARDS

- Participated and won the prize in “**INTERNATIONAL CONFERENCE**” contests conducted at DMI Engineering College at Nagercoil.
- Participated and won the prize in “**BUSINESS QUIZ**” contests conducted at Rayapetah.
- Participated and won the prize in “**NATIONAL LEVEL SYMPOSIUM**” conducted at Dhanalakshmi srinivasan college of engineering and technology at mamallapuram.
- Participated and won the prize in “**EHACK 2013**” at SRM University chennai.
- Participated and won the prize in “**NETWORK KING COMPETITION**” at CADD center Training Services pvt ltd.
- Participated and get trained in “**NETWORK PROGRAMMING**” at JP Infotech puducherry.
- Participated and get trained in “**ANDROID TECHNOLOGY**” workshop at nri technologies Chennai.

INTERESTS

- Swimming
- Playing Badminton
- Browsing and watching TV shows.

PERSONAL PROFILES

Date of Birth	:29-08-1994
Gender	:Male
Address	:No 31, Shenoy Road, Nungambakkam.
Languages Known	: English, Tamil
Nationality	:Indian
Marital Status	:Single

DECLARATION

I hereby declare that all the information furnished above is genuine to the best of my knowledge and I assure to put forth my best efforts for the organization if given an opportunity.

Date:

Place:

GANESHNATHAN K

