

# Vivek Kumar Singh

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## Synopsis

- Overall 4+ years of professional experience in IT industry.
- 1.5 years of experience in designing, development and implementation of Software Projects in Big Data.
- Hands on experience in Sqoop, Hive for various stages of data ingestion, transformation and aggregations.
- Exposure on PySpark to improve the performance of Hive Job.
- Hands on experience in SQL and NoSQL queries and stored procedure.
- Possess good analytical, problem solving and logical abilities.
- Worked on projects in Agile methodologies.

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## Education

- **B.Tech in E&C** from Orissa Engineering College, Orissa.
- **Higher Secondary** from St. Joseph's Public School, Samastipur, Bihar
- **Secondary School** from Kendriya Vidyalaya, Samastipur, Bihar

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## Technical Skills

- Technology : HDFS, Hive, Spark, Unix, SQL, NoSQL, Kafka, Sqoop
- Languages : Python, Shell Script
- Tools / IDE / Framework : PySpark, Anaconda, Jupyter Notebook
- Databases : MySQL
- Cloud. : AWS ( S3, EC2, EMR, GLUE, REDSHIFT)
- Version Control. : GIT/GITHUB
- Deployment. : Jenkins

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## Work Experience

- Working with **Tata Consultancy Services** as Software Engineer.

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## Projects

### 1.) Abbvie Inc.

**Client :- Abbvie**

#### **Description:**

AbbVie is an American publicly traded biopharmaceutical company founded in 2013. It was a support project.

#### **Role:**

- SAP Basis Administrator.
- Kernel Upgrade.

## 2.) HP Inc.

**Client:- Hewlett Packard (HP)**

### **Description:**

The Objective of this project to automate the data ingestion process to bring the incremental and as well as historical data into client inbuilt data lake from multiple system of record where data can be in different file format like Delimited, XML, Fixed Width and then further transform such way that it can be consumed by downstream user or different BI applications.

### **Role:**

- Involved in writing the hive queries to extract/transform the data as per business needs.
- Worked on Spark SQL in Python to improve the performance of Hive Jobs.
- Worked on creating the use case hive table with handling of partitioning and bucketing as per business needs.
- Configure the metadata, create data ingestion flow to ingest the data in data lake.
- Involved in requirement gathering and prepared the flow diagram.
- Attend the daily scrum meeting and track & update the daily task via Rally.

**Technologies used:** Hive, Spark, Python, Shell Script, Unix

## 3.) PayPal Inc.

**Client :-PayPal**

**Description:** PayPal Holdings, Inc. is an American company operating an online payments system in the majority of countries that support online money transfers. This project requires development/enhancement and migration of database objects (tables, stored procedures, views and SSIS packages).

### **Role:**

- Writing optimized SQL queries and scripts to extract the data from DB as per the client requirement.
- Responsible for the development and the enhancement of existing SSIS package to extract, transform and load the data from the source systems to the destination.
- Worked on DB migration, SSIS packages.
- Responsible for development and optimization of stored procedure.
- Used AWS as cloud service, used AWS EMR S3, EC2, REDSHIFT, GLUE services of AWS.

**Technologies used:** SQL, Spark, Python, HIVE, AWS, NoSQL

### **Personal Information**

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1. Name : Vivek Kumar Singh
2. Father's Name : Anil Kumar Singh
3. Date of Birth : 5<sup>th</sup> September 1994
4. Gender : Male

**Date:** 16<sup>th</sup> July - 2021