## Sivakumar D sivainspy@gmail.com

# Objective

Seeking for a Software Developer position in a fast growing organization to utilize expertise in software development and testing, as well as deployment and support using agile development methodologies. Coming with well-honed skills in computer science in addition to excellent communication skills.

# Skills

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| Primary Skill category | Spark, PySaprk, Shell Scripting, Hadoop, and Hive |
| Secondary Skill category | HDFS, Sqoop, Oozie, Control-M, Java, Python, Scala, MySQL, MongoDB, Oracle SQL Developer, and Teradata |
| Project Acquired skills | Ambari, Zeppelin, Solr, Kafka, Jupyter, NodeRed, Zookeeper, JMeter and Hbase |
| Primary Domain Skill | Big Data Developer |
| Sub Domain | IoT, BFSI, BDE and ML |
| Linguistic Skills | TAMIL (mother tongue/native speaker) and ENGLISH (fluent) |

# Professional Summary

**BigData:**

* Hands on experience in BigData (IoT & BFSI) as a Sr. Software Engineer
* Hands on experience in installing, configuring, testing, and deploying Hadoop ecosystem components for IoT and BFSI
* Working experience in Sqoop, NiFi, Oozie, Control-M, Spark, Shell Script, Hive, Oracle SQL Developer, and Teradata.
* Worked in Github, SVN, GitLab, BitBucket and Test management tool - JIRA and generating bug reports
* Good knowledge of Hortonworks Hadoop distribution (HDFS, Yarn, MapReduce, Zookeeper) and Python
* Practical knowledge in debugging & administrating Hadoop ecosystem tools such as HDFS, Hive, Kafka, Oozie, and Solr
* Significant exposure in installing Hadoop and related components in a multi-node cluster environment
* Practical knowledge in Server deployment (Hadoop Ecosystem Packages) using shell scripting in AWS, GCP and Oracle cloud servers
* Having exposure in SQL and No-SQL Databases like MongoDB, HBase
* Working experience in automating MS Excel using VBA

# Current Employment Summary

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| **Industry** | IT |
| **Organization** | **Tech Mahindra** |
| **Client 1** | **Standard Chartered Bank** |
| **Client 2** | **Nissan Digital** |
| **Band-Sub band/ Designation** | U3/Sr. Software Engineer |
| **Duration** | May 2019-till date |

**Note**: Worked in Client location (Chennai) in **Standard Chartered Bank** as Software Engineer from June 20, 2019 to December 31, 2019.

Worked in Client location (Chennai) in **Nissan Digital** as Application Developer or Production Support from February 20, 2020 till July 30, 2019.

# Previous Work Experience

* Worked as Associate Consultant Senior Test Engineer (Big Data) in Amtex Software Solutions Pvt. Ltd., Siruseri, Chennai from July 2017 to May 2019.
* Worked as Copy Editor in Scientific Publishing Services Pvt. Ltd., Chennai from November 2014 to June 2017.
* Worked as XML Programmer in Deccan iServices Pvt. Ltd., Chennai from Oct 2013 to July 2014.
* Worked as Process Executive in Cal C Soft Pvt. Ltd., Chennai from Sep 2012 to Sep 2013.

# Project Details

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| **Project Domain** | IT (BDE) | | |
| **Project Name:** | INIS(EQUiP) | | |
| **Client** | Nissan | | |
| **Role** | Application Developer or Support (Sr. Software Engineer) | | |
| **Organization** | Tech Mahindra | | |
| **Location** | **Offshore**: Chennai | |  |
| **Duration** | **Offshore**: Feb 2020 — Till date | |  |
| **Team Size** | **Project:** 5 | | **Module:** 6 |
| **Environment** | **Languages:** | PySpark | |
| **Database:** | Oracle SQL, Hive, HBase(POC) | |
| **Tools:** | Oozie, Sqoop, Oracle SQL Developer, Tableau, Informatica, HDFS, Solr | |
| **O/s:** | Linux | |

***a) Project Description***

EQUiP is a platform which comprises of 5 modules 3MIS, eDART, QCS, EWS and isearch. Of this engineering Data Analytics Reporting Tool (eDART) and Early Warning System (EWS) consumes user data like Warranty Claims and Vehicle purchase. In order to provide quality service, the after sales records are analyzed via EWS and informs/reminds about Service and Claims in advance to assure seamless service. Likewise, eDART displays(Visualize) the information about Vehicles, Claims, Consumer Affairs, AVES, Inspect and Techline on Daily basis to the Nissan.

***b) Contribution***

* Design, develop, document, and architect Hadoop applications
* Manage and monitor Hadoop log files
* Design Oozie workflows to load data from ODM to BDE
* Writing Sqoop Query to transfer data from Oracle SQL to HDFS in case of new requirement
* Used Spark to stream from ODM in to BDE
* Creating Hive queries to ingest data from raw table(external) to base table (hive managed) and also into Solr collection
* Verifying Data Sources from the Tableau extract on a daily basis
* Worked in automating the Oozie workflows using Python

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| **Project Domain** | IT(BFSI) | | |
| **Project Name:** | Business Continuity and Resiliency Services (BCRS) & Online Bancassurance (OBS) | | |
| **Client** | Standard Chartered Bank | | |
| **Role** | Software Engineer | | |
| **Organization** | Tech Mahindra | | |
| **Location** | **Offshore**: Chennai | |  |
| **Duration** | **Offshore**: June 2019 — Dec 2019 | |  |
| **Team Size** | **Project:** 7 | | **Module:** 14 |
| **Environment** | **Languages:** | Shell Scripting & HQL | |
| **Database:** | Hive, Oracle and Teradata | |
| **Tools:** | Big Data Testing (Hadoop and Hive) | |
| **O/s:** | Ubuntu & Windows | |

***a) Project Description***

Standard Chartered Bank Global Business Services (GBS) uses the Standard Data Management (SDM) framework which is a Big Data Platform that centralizes a variety of data in an inexpensive storage, enables fast processing, and can be leveraged by various mechanisms, for varied business needs/use case patterns in a standardized manner. The data (day-to-day transactions) are in the form of flat file, XML, CSV, TXT and Change Data Capture (CDC) are stored in to Hadoop (as Storage) and Hive (as Table) for future reference. As it is a regulatory project, the mode of file would be either Transaction or Master and file transaction type would be full dump or incremental, and the frequency will differ on the basis of client requirements. NiFi is used to ingest data in to the Data lake and Control-M is used to schedule/monitor the file transformation. The transformed/processed data is ingested in to the Teradata for customer usage.

***b) Contribution***

* Working closely with the business and analytics team in gathering and understanding the business requirements
* Participated in identifying the test scenarios and designing the test cases
* Performed SIT and regression testing for the project
* Writing complex hive queries for data verification as and when needed
* Automated the test cases using Shell Script & Python
* Prepared and executed test cases as per system requirements
* Writing shell scripts for data processing, cleansing and DB connectivity
* Reporting all the Positive and negative test cases in Hadoop/Hive components
* Troubleshooting and finding defects in the program and reporting defects to the development team or manager
* Developing/Monitoring/bug-fixing Control-M jobs
* Provide the logs and screenshots while raising the bugs in JIRA which gives more information to the developer to fix the defect on-time and also it is useful for Defect Tracking and Reporting
* Writing queries in Teradata for data ingestion and extraction through TD utilities
* Reviewing the Test Reports and Preparing Test Summary Report

# Education

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| **Degree** | **Specialization** | **University** | **Year of passing** |
| Graduation | BE (CSE) | Anna University | 2012 |
| Diploma | DECE | DOTE | 2009 |

# Passport & Visa Details

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| **Passport No.** | S0823958 (Valid till: 09 May, 2028) |

# Personal Details

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| **Name** | Sivakumar Dayalan |
| **Personal email id** | [sivainspy@gmail.com](mailto:sivainspy@gmail.com) |
| **Location** | Chennai |
| **Mobile:** | +91 9003158266 |