# Sivakumar Dayalan

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**OBJECTIVE:**

To work and grow by continuous learning in the field of Software Testing and to work in a professional and challenging environment and thus to evolve as a promising personality in the field of Information Technology

**PROFESSIONAL SUMMARY:**

* Hands on experience in installing, configuring, testing, and deploying Hadoop ecosystem components for IoT.
* Good knowledge with Apache Hadoop MapReduce programming using JAVA.
* Good knowledge on Hortonworks Hadoop distribution (HDFS, Yarn, MapReduce, Hive, Zookeeper, and Ambari)
* Export and import data from MongoDB; run time configuration of MongoDB.
* Practical knowledge in debugging & administrating Hadoop eco system tools such as Sqoop, Pig, Hive and Oozie.
* 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.
* Having exposure in SQL and knowledge on Flume, Spark and No-SQL Databases MongoDB, HBase.
* Having experience in creating test scenario, test cases, and test data. Automation of test cases using Selenium Java.
* Great knowledge in functional, regression, integration, database, and user interface and system testing.
* Had interaction with business users and clients in day to day basis to work according to their requirements.
* Worked on Agile Methodologies.
* Working knowledge in Test management tool - JIRA and generating bug reports.
* Developed and executed several macros for VBA Project in MS Office.
* Proven interpersonal, communication, and presentation skills with the ability to work under pressure.

**WORK EXPERIENCE:**

* Working as **Associate Consultant Senior Test Engineer (Big Data)** in Amtex Systems Pvt. Ltd., Siruseri, Chennai from July 2017 to Till Date.
* Worked as **Copy Editor (Tool Testing)** 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 (HTML Programmer)** in Cal C Soft Pvt. Ltd., Chennai from Sep 2012 to Sep 2013.

**TECHNICAL SKILLS:**

* **Big Data Ecosystems:** Hadoop, MapReduce, HDFS, Zookeeper, Hive, Cassandra.
* **Programming Languages:**Java, C/C++ (basics), Python, Scala (Certified in Udemy).
* **Scripting Languages:** JavaScript, XML, HTML, Python and Bash
* **Databases:** MySQL, MongoDB, Hive, HBase
* **Tools:** Eclipse, IntelliJIdea, PyCharm, Ant.
* **Platforms:** Linux, Ubuntu, CentOS, Redhat, Windows
* **Test Management Tool:** JIRA

**EDUCATION:**

Bachelor of Computer Science and Engineering

66% in S.A. Engineering College, AU (Apr 2012)

Diploma in Electronics and Communication Engineering

79% in Murugappa Polytechnic College, DOTE (May 2009)

Secondary School Level Certificate

83% in Bharathidasan Matriculation School, TNBSE (Mar 2006)

**PROJECT**

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| Title | Trendalyze |
| Platforms | Ubuntu, CentOS, Redhat, SUSE, Windows (Deployment in Progress) |
| Used Tools | Big Data Components, Selenium, Python, SJS API |
| Role | Senior Test Engineer (API, Web, System and UAT testing) |
| Team Size | 6 |
| Duration | Jul 2017 – till date |

**Description:**

Trendalyze is an innovative IoT analytics platform for searching and monitoring for motifs, i.e. recurring time patterns, in large volumes of data across millions of devices that collect data from machines, processes, human behaviors and actions, environmental conditions, and many more.

**Responsibilities:**

***Deployment***

Installing and configuring “Hadoop, Hive, Java, Kafka, Zookeeper, Python, Spark, Jetty, MySQL, MongoDB, Node and NPM”

***Testing***

* Work closely with the business and analytics team in gathering the system requirements and understanding business/customer requirements.
* Support code/design analysis, strategy development and project planning.
* Participated in identifying the Test scenarios and designing the Test cases.
* Monitoring Continuous Integration and verifying Hadoop jobs.
* Kafka Message Queuing and verifying live stream data.
* Performed Functional, Compatibility, Regression, Ad hoc, and Sanity Testing.
* Prepared and Executed Test Cases as per System Requirements.
* 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.
* Reviewing the Test Reports and Preparing Test Summary Report.
* Defect Tracking and Reporting using JIRA.