**CHENGALASETTY ESWAR TEJ** Mobile: **+91 9059391060**



#  Professional Summary

* Having 4 Years of development experience on **PYTHON, JAVA, ANGULAR**, **GCP**, **BigData** (Hadoop) technologies, **iWay** ETL Tool from Information builder, **Diyotta**(ETL).
* Trained on JAVA in ELITE training programme in TechM as an ELTP.
* Expertise in Big Data technologies like **Apache Hadoop, Spark and Hive** Technologies.
* Expertise in handling and ingesting RDBMS systems and various formats of files like **Avro, XML, JSON, Text** and **Mainframe dump files**.
* Experience in development of Data warehousing solutions using iWay Data Migrator and trained in ISM, Web focus.
* Experienced in developing **ETL flows** and **Data Validation** Plans using Information Builder’s iWay toolset and SSIS Integration Tool
* Experience in development of **WEBFOCUS** **stored** **procedures**.
* Expertise in writing **shell** scripts and Hive sql’s.
* Experience in ETL tools like **Diyotta**.
* Expertise in HDFS File System, Map Reduce framework and Hadoop's ecosystems.
* Well understanding of Cisco **Tidal** Enterprise Scheduler and **Autosys** for job scheduling and management.
* Strong knowledge of Information builders **IWAY toolset** (ISM, DM, DQC)
* Having strong knowledge of **Banking** **domain**.
* Strong working knowledge on the documentations like General Design Documents, Test Case Design Documents.
* Understanding the Business requirements, Functional specifications and analyzing the change Requests.
* Good understanding of GCP Components.
* Good Customer interaction skills and coordination skills.
* **Trained** associates on Hadoop, Java.
* Having pretty good analytical skills using Tableau, Qlikview, Highcharts and Google data studio**.**
* Having vast knowledge on the Machine learning and data engineering related activities.

 **Experience Details**

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| --- | --- | --- | --- |
| **Organization** | **Designation** | **Duration** | **Growth** |
| Tech Mahindra Limited | Computer Programmer | August 2016—TILL DATE | 4 Years  |

#  Awards and Achievements

* Achieved ‘X’ rating many times for being good at functional knowledge, also for the contribution towards helping the new joiners in the team become productive in quick time.
* Received Pat on the back (POB) award from the business unit of Scotiabank.
* Received Bravo for the excellence towards the Project Architectural decisions.
* Received several appreciations from manager and project team for the contribution in Development and testing.
* Received the best team award many times.

 **Skills**

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| --- | --- |
| **GCP Technologies** | PubSub, Cloud Storage, Cloud Functions, Big Query |
| **Big Data Technologies** | HDFS, Hive,Sqoop,Spark |
| **Cloud Technologies** | GCP and AWS |
| **Databases** | DB2, MySQL,Mainframe Db2,HIVE,MongoDB |
| **ETL Tools** | iWay Data Migrator, Diyotta |
| **Monitoring & Job Scheduling** | Cisco Tidal , Autosys |
| **Middleware** | NodeJs, ExpressJs |
| **Operating Systems** | Windows, UNIX |
| **Others** | Putty, WINSCP |
| **Programming Languages** | Python, Java, Javscript , unix shell script |
| **Reporting Tools** | Tableau, Highcharts, Google data studio |
| **Front end Technologies** | Angular,HTML/CSS |
| **MiddleWare Technologies** | NodeJs, ExpressJS |

 **Trainings**

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| --- | --- | --- | --- | --- |
| **Type** | **Title** | **Location** | **Organized by** | **Duration** |
| Webinars | AngularJS and MEAN Stack | Hyderabad | Ravi Kumar Reddy B | 20 Hours |
| Instructor Led Class | Spring Boot | Hyderabad | Ravi Kumar Reddy B | 20 Hours |
| Instructor Led Class | Hadoop | Hyderabad | Lakshmi Vedanabhatla | 40 Hours |
| Tech leads as instructor | iWay | Hyderabad | Lakshmi Vedanabhatla | 20 Hours |
| InstructorLed Class | GCP | CANADA | Lakshmi Vedhanavhatla | 30 Hours |

 **Certifications**

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| --- | --- | --- |
| **Name of the certified Course** | **Certification Provided** **by** | **License Number** |
| Data Engineering on Google Cloud Platform | Cousera | T3CWB8Q9S6QE |
| Leveraging Unstructured Data with CloudDataproc on Google Cloud Platform | Cousera | KTPHA7ATSNJ9 |
| Google Cloud Platform Big Data and MachineLearning Fundamentals | Cousera | MGHZ4ENYY82K |
| Building Resilient Streaming Systems on GoogleCloud Platform | Cousera | NLZ5CQ95286D |
| Serverless Machine Learning with Tensorflow onGoogle Cloud Platform | Cousera | RN2FDK8ATAED |
| Serverless Data Analysis with Google BigQueryand Cloud Dataflow | Cousera | VEMULF9BPRW8 |

#  Work Experience

# Project # 1: GCP & EDL Development and maintanance

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| **Project Type** | Data Ingestion |
| **Project Domain** | Banking |
| **Solution** | HDP 2.3.2, NPIF |
| **Client**  | Scotia Bank |
| **Designation** | Team Member |
| **Organization** | Tech Mahindra |
| **Location** | **Offshore**: Hyderabad |  |
| **Duration** | **Offshore**: OCT 2017 to Present |  |
| **Team Size** | **Project : 9** |  |
|  | **Software:** Hadoop distribution, NPIF, IBM |  |
| **Database:** Hive**Scripting Languages**: Python, Spark and Shell Scripting  |  |
| **Tools:** Eclipse, Cisco Tidal, IBM Toolset ( DB2),Iway Toolset (DM), DB Visualizer, WinSCP, Putty |  |
| **O/s: Windows**, Unix |  |

**Project Description:**

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Bank of Nova Scotia is one of the leading banks of Canada. CBT EDL (Canadian Banking Technology- Enterprise Data Lake) is Bank of Nova Scotia (BNS) application. With the purpose of achieving the long-term, strategic view in addition to compliance considerations with Hadoop-based target architecture CBT EDL Project deals with ingestion of data from different sources to EDL eliminating the capacity bottleneck of employed interim solution. It with different types of source systems like DB2 storefront, SQL server, Oracle RDBMS, Mainframe files, XML files, different kinds of mid-tier files like flat files, delimited file and ingesting the to the technically standardised zone of the HIVE database. The ingested data is used for Reporting, Ad-hoc data miming and analytics.

 **Contribution**:

* Ingesting the data into the EDL from various kinds of source systems using NPIF (Next Pathway Ingestion Framework).
* Responsible for on-barding of new modules and updating of existing modules into the pre-ingestion framework
* Writing Hive Scripts to extract the data applying complex transformations involving multiple tables.
* Writing Scala, Python and shell routines for Performance (script automation, optimization and parameterization ),post ingestion process(clean-up, arching and mail configurations) and testing processes(debugging, validations)
* Ingesting the data into the EDL from 20+ RDMS systems using Sqoop.
* Involved in performance tuning of developed ingestion frameworks using Parallelism.
* Fine tuning the hive queries for improving the performance.
* Writing Scala programs in Spark environment for transforming the data.
* Writing UDF (User Defined Functions) in Pig, Hive, and spark when needed.
* Involved in creating and loading the hive tables and implemented dynamic partitioning and also schema evolution for Avro files.
* Developed UDF’s using dataframes/SQL in Spark for data transformations using Scala.
* Involved in developing metrics collection procedure which involves processing of unstructured log files.
* Developed Scala programs to mask the sensitive PII information in Hive tables supporting the required customizations.
* Involved in exploring several Open Source Tools like Jrecorder and APIs like Databricks-csv, Databricks-xml, Databricks-avro, json4s-Jackson, GSON and Xpath and integrated them into the ingestion frameworks successfully
* Using native tools and open-source API’s developed pre-ingestion frameworks.
* Involved in the resolution of the issues identified at various phases like Testing and UAT etc.
* Prepare reports, manuals and other documentation on the status, operation and maintenance of software.
* Involved in the enhancements/ functionality changes as a part of Maintenance
* Working and maintaining the GCP ingestion for one of the clickstream data which has been developed using the ELT tool named diyotta by scheduling the Autosys jobs.

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# Project # 1: Scotia Poc (GCP HACKATHON)

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| **Project Type** | Development  |
| **Project Domain** | Banking |
| **Client**  | Bank Of NOVA SCOTIA |
| **Designation** | Team Member |
| **Organization** | Tech Mahindra Limited |
| **Location** | **OFFSHORE : HYDERABAD** |  |
| **Duration** | **Offshore**: Oct-2018- NOV 2018 |  |
| **Team Size** | **Project : 6** |  |
| **Environment (with skill versions)** | **Languages:** Python, shell scripting |  |
| **Software:GoogleStorage, Bigquery, Tableau, Hadoop, Hive, Data processing****Tools: Tableau, Spyder, Tidal, Winscp, Jupyter notebook and Tensorflow** |  |
| **Database :** Hadoop and Bigquery |  |
| **Tools : Tableau,GCP** |  |
| **O/s :** Windows |  |

**Project Description:**

Bank of Nova Scotia is one of the leading banks of Canada. CBT EDL (Canadian Banking Technology- Enterprise Data Lake) is Bank of Nova Scotia (BNS) application. The projects target to ingest the data from on premises servers to Google cloud buckets. Then by creating the data pipeline need to drop the reporting ready data to bigquery. Data need to be extracted and consumed for sentimental analysis and for creating interactive dashboards for the users.

 **Contribution**:

* Developed the data integration flow using Google data flow for transferring the data which has been migrated from the on premises Hadoop environment to Big query
* Preparation of General design document, project relevant and supporting documentation.
* Involved in Unit testing, regression testing, system testing, integration testing, and Production parallel.
* Preparation of Reusable components
* Business and technical knowledge communication with other team members.
* Ensuring timely and Defect free delivery.
* Working extended hours and on holiday supports when work demands.
* Worked on analytical part to create the user interactive dashboards in Tableau by extracting the data from BigQuery.
* Also worked on sentimental analysis for the data stored in bigquery and created a report based on the twitter feeds.

# Project # 3 SCOTIA POC (SCOTIA ONLINE)

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| **Project Type** | Integration Project |
| **Project Domain** | Banking |
| **Solution** | MEAN STACK |
| **Client**  | Scotia Bank |
| **Designation** | Software Engineer |
| **Organization** | Tech Mahindra |
| **Location** | **Offshore**: Hyderabad |  |
| **Duration** | **Offshore**: Aug 16 to Oct’17 |  |
| **Team Size** | **Project: 6** |  |
|  | **Language:** Javascript |  |
|  |  |
| **Software**: AngularJS, NodeJS, ExpressJS, MongoDB, HTML/CSS, |  |
| **Tools:** Robomongo, Visual studio |  |
| **O/s: Windows** |  |

 **Project Description:**

Bank of Nova Scotia is one of the leading banks of Canada. Scotia online is Bank of Nova Scotia (BNS) application. The primary intent is to ensure data and associated processes. For this project there has been an expectation to replace the existing MVC technologies with the MEAN stack implementation by creating a single page application and creating a interactive environment to the user for the seamless experience with various sophisticated Javascript technologies used to create a web application. MEAN stack (MongoDB, ExpressJS, AngularJS, NodeJs)

**Contribution**:

* + Developed end to end web page flows with AngualrJS and validations were done by various Node packaging solutions.
	+ Developed sample plans and components to verify and validate the authenticated user.
	+ Experienced in dealing with cross-functional teams like BA, testing and support.
	+ Interacting with Onsite development team to develop, maintain and test the application based on client’s requirement.
	+ Identify the root cause of the issues and providing a permanent solution
	+ Coordinate with client and vendors in case of production issues
	+ Trained associates on AngularJS, MongoDB and NodeJs.
	+ Feasibility study, prototype development, with preliminary technical and risk analysis
	+ Conduct research and provide advice to other informatics professionals regarding software programming/development.

 **Education**

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| **Degree** | **University** | **Year of Passing** |
| B.TECH(Civil) | Jawaharlal Nehru Technological University Hyderabad | 2016 |

 **Passport Details**

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| **Passport No** | **Valid Up to** |
| M5280277 | 7-JAN-2025 |

#  Personal Details

|  |  |
| --- | --- |
| **Particular** | **Details** |
| Name |  Mr. Chengalasetty Eswar Tej |
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