**Ernest Ncho**

**SUMMARY**  
**Sr Lead/Manager Data Engineering** with over 11 years of IT experience and over 7 years in data Engineering and Analytics with a Focus on Customer Satisfaction – **Certified Scrum Master.**

**TECHNOLOGIES**

*Big Data:* HDFS, Hive, Spark, Kafka, Scala, Python, Shell Scripting

*Databases:* Teradata DB, SQL Server, Oracle, DB2

*Cloud Technologies:* Azure, AWS

**PROFESSIONAL EXPERIENCE:**

**JP Morgan Chase (Plano, TX)**

**Vice President Software Engineer (Data Engineering)**

***December 2020 to Present***

* Support the ABACUS Big data processing Framework for the Everest Data Platform Team
* Deliver strong and visionary leadership to your team, enhance and develop a strong data culture and commitment to impact business positively.
* Provide people management, mentorship, and career development to data engineers
* As a hands-on manager, participate in key technical and design discussions with engineers on the teams
* Collaborate with business leaders, product owners and execute data roadmap to support the data
* Champion CICD practices across the team
* Work with Product Owner in backlog Management.
* Ensure Agile Principles are being followed as well as software development best practices.
* Enhance application architecture and functionalities to meet business needs.
* Provide problem-solving expertise and complex analysis of data to understand data issues and provide solutions.
* lead the evaluation, selection and implementation of technology solutions including providing detailed analysis of pros and cons and build vs buy options

**Blue Cross Blue Shield (Richardson, Texas)**

**Lead Engineer-Big Data**

***January 2019 to December 2020***

* Lead Development team in design and Data processing and Analytics using big data technology.
* Improved development process through the Agile Methodology
* Mentored Junior to Senior-Level Data Engineers as well as new staff as they on-board and ensure they are connected to the appropriate resources they need to be successful.
* Responsible for performance management, employee relations, associate engagement, and mentoring talent.
* Participate in requirement gathering. Assigning work to developers based on priorities.
* Worked Closely with Product Owner in Backlog Management
* Leveraged test driven development environment (TDD, BDD) as development standard.
* Championed Continuous Integration and Continuous Deployment (CICD) as Standard in Software Development Life Cycle
* Simplified Complex requirements into manageable business use case.
* Analyzed structured, semi-structured and structured data flow.
* Developed data strategy and roadmap.
* Big Data Development and Analytics using Hadoop stack (HDFS, Hive,Tez) , Spark, pyspark, Kafka, Scala, Python
* Transfer Data from SQL Server and Oracle, DB2 and Teradata DB to Hadoop using SQOOP.
* Stored ingested data in No SQL databases such as Hbase
* Processing XML, JSON, AVRO, PARQUET files.
* Data cleansing and loading using Scala programming.
* Data visualization using Tableau.
* Migrating traditional Data warehouse to Hadoop Data Lake
* Migrate on-premise Datalake to Cloud based solution (Azure Environment)
* Exposure to Machine Learning (supervised and unsupervised learning)
* Resolving operational incidents and driving out root causes analysis to resolution.
* Assisting with release support, escalation on call support rotation with other team members, and migrations activities.

**Bank of America (Plano, Texas)**

**Senior Data Engineer**

***June 2017 to December 2018***

* Building, and maintenance of ETL processes using Hadoop Ecosystem
* Big Data Development and Analytics using Hadoop stack (HDFS, Pig, Hive), Spark, PySpark, Kafka, Scala
* Transfer Data from SQL Server and Oracle and Teradata DB to Hadoop using SQOOP.
* Data cleansing and loading using Scala or Python scripting.
* Data visualization using Tableau.
* Teradata DB and BTEQ Scripting
* Migrating traditional Data warehouse to Hadoop Data Lake in AWS Environment (EC2, S3, Kinesis, EMR, Redshift)
* Working with business technology groups providing solutions with design, develop, and test database models to meet business requirements and performance needs.
* Resolving operational incidents and driving out root causes to resolution.
* Assisting with release support, escalation on call support rotation with other team members, and migrations activities.
* Design, develop, and test data models to meet business requirements and performance needs.
* Data Modeling using ERWIN, E/R Studio
* Data Model Normalization-Denormalization
* Dimensional Data Model/ Operational Data Model
* Managing and protecting data and data management principles (metadata, data mapping, data classification, data provisioning).
* Triaging data related issues and ETL optimization.
* Data warehouse design and use of external ETL tool (Data Stage, SSIS).

**Tyler Technologies (Plano, Texas)**

**Data Engineer (Full Time Employee)**

***September 2013 to June 2017***

* Big Data Analytics using Hadoop stack (HDFS, Pig, Hive, Impala) and Spark
* Engage in query performance tuning.
* Data cleansing and analytics using Python, shell scripting and Scala Programming
* Data visualization using Tableau.
* Design, develop, and execute packages to migrate client data to Tyler System
* Writing Complex SQL and T- SQL scripts for data analysis.
* Engage in query performance tuning.
* Collaborate with project management and business analysts to develop data Migration packages that meet client business rules.
* Dimensional Data Model/ Operational Data Model
* Data Modeling using power Designer
* Data Model Normalization-Denormalization
* Perform complex data analysis to identify patterns and anomalies.
* Resolve data issues in test and production environments
* Create BI design patterns, designs, standards
* Database programming Including tables, indexes, constraints, stored procedures, and user-defined functions in support of data conversion utilities and projects.

**Sedgwick Claims Management Services**

**SQL ETL Developer (Contractor)  
*March 2012 to August 2013***

* Provided T-SQL programming (Stored Procedures, Functions, Indexes and Triggers).
* Wrote complex SQL scripts (primary keys, foreign keys, constraints, joins, unions, aggregate functions and SQL functions) using SQL Server Management Studio and Toad.
* Provided data conversion, data migration, data mapping, data validation, data analysis and data cleansing.
* Software configuration and implementation
* Involved in the ETL process (SSIS), including development, data validation, data cleansing, UAT and moving to production
* Queries Performance tuning (Database Engine Tuning Advisor, Query execution plan and Query Analyzer).
* Maintained E-R (Entity-Relationship) diagrams and data dictionary normalization.
* Offered customer report development using SSRS and Crystal Reports.
* Provided application support (troubleshooting and resolving production issues).
* Software implementation and configuration
* Provided client setup and production support.
* Installed and upgraded, provided service packs and security updates, and configured SQL Server 2008.
* Provided configuration management.
* Loaded data from OLAP environment to OLTP environment.
* Oversaw high availability (log shipping, database mirroring and replication).
* Provided database backup, restore and recovery models table partitioning.
* Created and maintained SQL Server database security (users, roles and privileges).
* Managed database security and maintenance plans.
* Maintained jobs scheduling using SQL Server Agent.

**NY Life Insurance Co. (Atlanta, GA)**

**T-SQL Developer (contractor)**

***October 2010 to November 2011***

* Provided T-SQL and PL / SQL programming (Stored Procedures, Functions, joins, aggregate functions, Indexes and Triggers) using SQL Server Management Studio, Toad and SQL Navigator.
* Provided data conversion, data migration, data mapping, data validation and data analysis.
* Involved in the ETL process (SSIS), including development, data validation, data cleansing, UAT and moving to production.
* Wrote SQL scripts (primary keys, foreign keys, constraints, joins and unions) and data normalization.
* Provided database monitoring (SQL Server Profiler).
* Scheduled jobs using SQL Server Agent.
* Provided reports development (SSRS and Crystal Reports).
* Wrote complex SQL queries to provide reports (financial, medical, billing and claims).
* Created a database maintenance plan (backup, database integrity check, index reorganize and rebuilding and statistics updating).
* Oversaw high availability (log shipping, database mirroring and replication).
* Provided database backup, restore and recovery models table partitioning.
* Provided performance tuning (Database Engine Tuning Advisor, Perfmon and Query Analyzer).
* Involved in software development (Visual Basic).
* Provided application support (troubleshooting and resolving production issues).
* Recognized critical systems, critical timeframes and milestones.
* Provided procedural documentation and produced report definition reports for management.

**The Men’s Wearhouse (Norcross, GA)**

**SQL-PL/SQL Developer**

***March 2010 to June 2010***

* Updated databases and wrote T-SQL scripts.
* Wrote Stored Procedures, Functions and Triggers (T-SQL/ PLSQL).
* Wrote complex SQL scripts (primary keys, foreign keys, constraints, joins and unions) using SQL Server Management Studio.
* Provided reports development using (Oracle Reports and Crystal Reports).

**MUGEF-CI (Abidjan, Ivory Coast)**

**T-SQL Developer**

***March 2008 to September 2009***

* Wrote Stored Procedures, Functions and Triggers (T-SQL / PLSQL).
* Wrote complex SQL scripts (primary keys, foreign keys, constraints, joins and unions) using SQL Server Management Studio and Toad.
* Maintained E-R (Entity-Relationship) diagrams and data dictionary normalization.
* Provided data conversion and data migration.
* Involved in the ETL process (SSIS), including development, data validation (data quality), UAT and moving to production.
* Provided SQL Server administration, schema maintenance and backup / restore.
* Created and maintained SQL Server database security (users, roles and privileges).
* Provided performance tuning (Database Engine Tuning Advisor, Perfmon and Query Analyzer).
* Provided database monitoring (SQL Server Profiler).
* Scheduled jobs using SQL Server Agent.
* Offered software development (Visual Basic 6.0).
* Used ODBC and ADODC technology.
* Provided Active Directory management, IIS configuration and network configuration.

**EDUCATION:**

**Nov 2005**: Bachelor of Science, Computer Science, Abobo-Adjame University: Ivory Coast, West Africa

**CONTINUED EDUCATION:**

**Rice University: June 2021 to Present**

**Leading Engineering Project Teams Certification Program**

* Relationship Management
* Leading High Performing Teams
* Self-Awareness and Effective Leader
* Engineering Project Management

**Professional Training:**

Big Data Bootcamp - Big Data, Hadoop, NoSQL, Spark

Hadoop Fundamentals – MapReduce, Pig and Hive

Introduction to HBase and Cassandra NoSQL database