**Vijayakumar Subramani**[***Vijayakumar.subramani3@cognizant.com***](mailto:Vijayakumar.subramani3@cognizant.com)

*Cognizant Technology Solutions*

**Experience Summary**

* 12 Years of experience in the field of Information Technology with expertise in Analysis, Design, Development, Implementation and Testing
* Experience in Legacy modernization projects.  Migrating Mainframe to Hadoop File System using Big data eco system components
* Outstanding Technical and Analytical skills, with extensive knowledge of IBM Mainframe and Big data systems
* Experience in identifying and delivering technical specification solutions to customer business requirements
* Strong experience in Banking, Health Care and Retail Industries.
* Extremely well organized, with proven ability to multi-task and prioritize workload
* Designed data modeling for relational databases: DB2,SQL SERVER, MySQL

**Technical Skills**

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| **Distribution System** | Cloudera |
| **Languages** | Cobol, Python, Java |
| **Mainframe** | JCL,COBOL,VSAM,CICS,MQ,FILE Aid,Xpeditor,Endevor,Changeman |
| **Hadoop Ecosystems** | Hive, SQOOP, Map Reduce, SparkSQL, Kafka, Spark Core,Hue,YARN |
| **Job Scheduling** | Oozie, Zena scheduler,CA7 |
| **Data Base** | DB2,SQL Server, HBase, MySQL |
| **Emulators** | Putty, SSH,AWS CLI |
| **Cloud** | AWS ,GCP |

**Certifications**

* AWS –Solution Architect Certified Associate
* Full Stack Data Science Certified from Jigsaw Academy
* CCA175- Hadoop and Spark Developer certified

**Project Summary:**

***Technical Lead-HCSC-Provider BRE***

I am involved in creating and managing business rules extract team for HCSC-Provider application systems to transform from legacy to BigData systems and involved in provider domain data architectures.

**PROJECT DESCRIPTION:**

Provider extracts from legacy system to support multiple downstream requests are executed on a regular basis. As a part of legacy modernization initiatives, there is a need to move these extracts into Hadoop systems. Using IIDR writes incremental changes to Kafka topic for each DB2 table, monitors each Kafka topic for incremental changes, and triggers spark streaming data transformation job for that table. The transformation jobs for each topic is to write the PPW data into Data Lake model which has Hive tables called work and gold tables

Project Provider Application Migration

Duration JAN 2019- Until Date

Client Health Care Service Corporation

Skills Zena, IIDR, Kafka, Spark, Hive, JCL, COBOL, VSAM, CICS, DB2

**Responsibilities:**

* Involved in estimation, requirement discussions and project planning
* Provided extract walk-thru with the client and all stakeholders of big data team
* Ensure that all projects are delivered on-time, within scope and within budget
* Worked closely with onsite and offshore management in identifying and resolving issues
* IIDR- migrated mainframe DB2 tables-PPW Database into Hadoop using IBM information data replicator
* Design high level and low level architecture diagram
* Worked in developing UNIX scripts and scheduled using Zena jobs

***Technical Lead-Wisconsin Physician Services***

I am involved in migrating region for WPS from legacy system to Hadoop – Providers, Authorization & Referral Application, and Claims Processing.

**PROJECT DESCRIPTION:**

Tricare migration for EAST region with respect to segments like Providers, Claims processing, Other Health Insurance, Authorization and Referral, Claims Pricing, Fees and Rates and CHCBP.

Project WPS- Health Care Applications

Duration Aug 2016- Dec 2018

Client Wisconsin Physician Services

Skills Sqoop, Kafka, Spark, Hive, COBOL, JCL, VSAM, CICS, DB2

**Responsibilities:**

* Part of the core team to migrate the initial work on Tricare Enhancements for East region.
* Involved in estimation, requirement discussions and requirement base lining.
* Lead the Analysis/Design, build phase for Providers Segment, and delivered successfully.
* Lead the Analysis/Design, build phase for Authorization and Referral Segment, and delivered successfully.
* Transferring data from DB2 tables to HDFS and HIVE table using SQOOP.
* Creating tables, partitioning, bucketing, loading and aggregating data using Hive.
* Created an automated tool using python to convert the Cobol copybook layout to spark file layout
* Converted mainframe file system VSAM,flat files, GDG files to Hadoop file system

***Lead Cum Developer-SBSA-Johannesburg***

SBSA- Standard Bank of South Africa is the leading bank in South Africa’s largest financial service groups. It operates in 32 countries around the world, including 19 in Africa. The main objective of BR5 CIF Decommission is to all legacy programs consuming the CIF tables must be changed to consume the SAP CRM7 database.CRM7 is the customer master database. Currently all online applications consume data from the CIF database. This BR5 changes to ensure all programs will use SAP services to access the CRM7 database.

I had involved in developing credit DIMM services for credit applications which has Mainframe MQ part to post and receive messages to SAP BW

CDDS-Credit direct delivery systems

CAGE-Ageing and Arrear management system

PROBE-Behavioral scoring system

EDAS-Event delivery and actioning system

EWS- Early Warning system etc.

Project Credit AMS Development

Duration JAN 2014 – May 2016

Client Standard Bank of South Africa, Johannesburg

Skills COBOL, JCL, VSAM, CICS, MQ, DB2, Change Man, expeditor

Additional Skills JAVA Web services, Web sphere MQ.

**Responsibilities:**

* Involves in requirements discussion, architectural design meeting in order to evaluate the impact and effort estimation and translate into design documentation.
* Responsible to perform impact analysis on the projects by gathering requirements.
* Prepare detailed design in accordance with functional specification requirements.
* Involves in all the phases of development projects - Functional discussion, Tech Spec preparation, Design document preparation, Coding, Unit testing, defect fix and post production support activities.
* To identify all credit applications that is impacted CIF decommission.
* Delivers all change work packages on time as planned in the project activity schedule.
* Responsible to fix daily batch job abends in production for the development projects involved and to ensure client business will not effect on the next day
* Worked as onsite coordinator for the credit development project in SBSA and assign the work to Wipro Offshore resources.
* Responsible to review the code changes, Test cases & results delivered by offshore.

***Senior Developer-VF Corp***

Vanity Fair’s Corporation is the world’s leading brand retailer and apparel dealer with nearly 2500 brands under its wings. The main objective of this project is to enhance the present application used as a part of Jeanswear manufacturing System and support the application during daily Production Batch. The GPM is the application environment with several online screens and batch programs being run on a daily, weekly and monthly basis. Enhance and support the present application by modifying or adding new programs to the application, both online and batch, fixing job abends during Production Batch.

Project VF Corp - GPM

Duration Oct 2012 – Oct 2013

Client VF Corp

Skills COBOL, JCL, VSAM, CICS, DB2, IMS DB and PANVALET

**Responsibilities:**

As a **Senior Developer** in VF Corp-GPM project various responsibilities I handled are:

* Responsible to diagnosis of Jeanswear Heritage and manufacturing systems.
* Solution design and implementation to Jeanswear manufacturing system.
* Requirement analysis, solution design, implementation and testing of enhancement issues.
* Application modernization, Rationalization and performance tuning.
* Incident research and other production support activities.

***Developer-Target Corporation***

Target Corporation is a leading retailer in USA. It had the online purchase for its customers through amazon.com. Target wanted to change its online purchase from Amazon.com to its own online store. In order to have its own online site, target.com was developed using the project called EVEREST. The next is store project to build out a simplified order application that store users can use for perishables items in PFresh stores. This new order application will have on hand stock integrity improvements inclusive of backroom quantities and will provide recommended order quantity and flexibility to adjust other quantity with systematic guardrails.

Project Target SPAM/PSF Store order Application

Duration Oct 2010 – Sep 2011/Sep 2011 – Oct 2012

Client Target Corporation

Skills COBOL, JCL, DB2, VSAM, Stored procedures

Utilities Endevor, File-AID, QMF, SPUFI, IBM Data studio

**Responsibilities:**

* Responsible to gathering business requirements and do the Impact analysis, Preparation of Design & Technical specification doc, Coding, Testing & Defect fix and production support.
* Understanding the complete architecture of the system and amended existing programs which could be handled both In-store and Online store transactions.
* Involved in development, testing and implementation of new batch cycle jobs and programs for Everest online store.
* Involved in initial phase analysis and perform impact analysis to find out the systems/programs that could be potentially affected by proposed changes for store order application.
* Developed COBOL and Native stored procedures to get store, dept. and date from web service to determine forecast date by delivery schedule, sales history, on hand qty, on order qty, Next week price, Presentation Minimum qty, safety stock qty and create all these data in XML format to be sent to web services.
* Have developed a level of competency, which helps to anticipate issues and solve them in advance.

**Developer Trainee-Tesco**

This project involves IT support for HR & payroll systems of TESCO’S UK payroll and is one of the most critical, sensitive & highly complex systems at the Client end. Team’s responsibilities include providing first line of support to the application systems, future enhancements and developments. The systems involve various HR functions like Payroll, Time & Attendance, Benefits, Shares, Pensions, Statutory Maternity pay & Statutory Paternity pay and storing personal information.

Project Tesco Payroll system for UK/ROI

Duration July 2008 – Sep 2010

Client Tesco

Skills COBOL, JCL, IMS DB, UNIPAY

Utilities Endevor, INSYSNC

**Responsibilities:**

* I was involved in fixing issues in day-to-day job abends and code fixes, which was being raised by payroll users, and supporting the system in 24 \* 7 environments.

**ACHIVEMENTS & RECOGNITION**

**Cognizant**

* Received STAR Performer award from HCSC client during annual customer visit-Oct 2019
* Received Appreciation from onsite/offshore cognizant management for successful migration and build a first (provider) segment in east region application.

**Education Background**

* M.C.A –Computer Applications from Govt institute Of Technology - Anna University