CHANDRAMOULI SRINIVASAN
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PROFESSIONAL SUMMARY

- Over **11+ years** of IT experience in Software Analysis, Design, Development, Implementation, Testing using Distributed and Mainframe technologies for Insurance domain with Hands on experience in Big data related technologies
- Subject Matter Expert of Annuity Admin system
- **Cloudera Certified Developer for Apache Hadoop – CCD 410**
- **Insurance domain certifications - FLMI level 1 (LOMA 280/ 290) – AAPA 273 completed**
- **Work Samples: https://github.com/moulisea/Hive-examples**
- Strong Expertise in **Java/ J2EE and Hadoop Ecosystem – Map reduce, HDFS, Hive, Hbase, Pig, Sqoop, MongoDB, Greenplum database**
- Experience in analyzing data using **HiveQL, Pig Latin**, and custom **Map Reduce** programs in Java
- Hands-on experience working on NoSQL database **MongoDB**, retrieved the data using **Hibernate** and populate in frontend through **AngularJS**
- Implemented POC in **KAFKA** – send real stream messages from **Producer** and **Consumer** consumes data based on the **Topic** names
- Have worked on **Spark** programs to pre-process the data and implemented **Left Outer Join** using **Scalding** and written **Spark SQL**
- Experience in developing front-end application design using **JSP, HTML, CSS, JavaScript, JSON and AngularJS**
- Expertise in using J2EEApplication Servers such as IBM WebSphere and Web Servers like **Tomcat**
- High working knowledge of **IDE Eclipse**
- Hands on experience in Java/J2EE Development and Production support roles
- Exposure to Waterfall and Agile development methodologies
- Worked on IBM Mainframe technologies using **COBOL, VSAM, CICS, MVS, JCL, DB2** - Worked on various tools like **SPUFI, PLATINUM, Endevor, Abend Aid, OMEGAMON**
- Experienced working in **SUNGARD OMNIPLAN/ OMNIPLUS**, created new screens in **native OMNI –** familiar with all native OMNI transactions and how the **Unified** process works
- In-depth experience in the design and development of Online and Batch database systems
- Experience in handling **SFTP/ NDM** file transfer with in and outside company, worked in applications involving **.NET/JAVA** as front end and expert in debugging **CICS Online issues**
- Involved in production support (24x7) and knows in and out of **CA7 scheduler**
- Skilled at debugging/troubleshooting
- Worked as a project lead creating project plans, creating metrics/dashboard/redefining SLA's and raised the project standards
- Experience in design, and development in diverse domains like Insurance
- Strong foundation of Annuity concepts in **Insurance domain**
- Experience in Training the Entry Level IT Employees on the Insurance Domain and Project Development
- Excellent communication skills, ability to work as a team or individually, ability to learn new technologies quickly

TECHNICAL SKILLS

Operating Systems   : Windows XP/Vista/7, MVS, z/OS, OS390, AS400, UNIX
Big Data Technologies : Apache Hadoop, Hive, Impala, HBase, Pig, Sqoop, Spark, KAFKA, MongoDB
Languages   : JAVA, J2EE, VS COBOL II, JCL, C, C++

Server side framework :	Spring MVC, Hibernate	
Build tools	**:** Maven	
Web Services	**:** REST web service	
Web Technologies	**:** HTML, JSP, JSON, AngularJS	
Databases	**:** DB2, VSAM, SQL, Greenplum database, PostgreSQL	
OLTP	**:** CICS	
Mainframe Tools	**:** SUNGARD OMNIPLAN/ OMNIPLUS, STROBE, PLATINUM, QUIKJOB, CA7 scheduler, IBM MQ Series, TablesAs, OMEGAMON, Adminweb	
Scheduling	**:** Control+M, CA-7	

EDUCATION

- Bachelors in Computer Science Engineering (B. E) from Anna University   Jun 2001 – May 2005

CERTIFICATIONS

- **CCDH 410 – Cloudera Certified Developer for Apache Hadoop**
- **FLMI Level 1(LOMA 280/ 290) and AAPA 273 certification**

TCS iCalms certification:
- COBOL/ CICS/ DB2/ JCL – L1 – Expert
- JAVA - Intermediate

ACHIEVEMENTS

- Got appreciation from Team lead on successfully ingesting **Google data** and store it in **Hive** tables and scheduling daily jobs through Control-M
- Successfully implemented **ETL workflow** of **Wholesale** data in **JPMorganChase** using **Hadoop technology** and delivered to Institute for their research publication
- **Performance optimization has been done through STROBE** and saved more than 100K in 2010
- TCS recognized my contribution and presented 5 year **Commitment Award**
- Received **Best Developer** award for delivering successful projects on time with zero post production defects

PROFESSIONAL EXPERIENCE

Project#4: JPMorgan Chase & Co	**Feb 2016 - Till date**

Client	**:**	JPMorgan Chase & Co
Duration	**:**	1 year 3 months
Role	**:**	Hadoop developer
Team Size	**:**	11 Onsite
Location	**:**	277 Park Ave, New York, NY

Description: Dataops team – Build a data lake getting feed from various source's. Gather as much data so it can be visualized later. RDT has almost 70 feeds which is to be ingested into HDFS and load to Hive tables.

Responsibilities
- Worked on ingesting **Google data** using JAVA, preprocess the data and get the data to HDFS and load it to **Hive**
- Successfully ingested **RDT, iODS, Transaction** data forming a **Data lake** for Institute Research purpose
- Implemented **iODS Hierarchical level data** and moved to production with zero defects

- Experience in building **Wholesale Data Lake** for **JPMorganChase** and cater to the end user **Institute**
- Experienced in **Control+M** scheduling – Have scheduled more than 50 jobs and monitor them on a daily basis
- Worked on **RDT(Reference Data Technology)** feed – Ingest the data, process them through Rule Engine and load the data in to **Greenplum**
- Worked on processing **XML/ JSON** files – Used **SAX, JAXB** parsing to process XML files
- Successfully loaded various data sources like **LOB, CLIENT, INSTRUMENT** etc...
- Current state in **Greenplum** and migration was to be done to **Hadoop**
- Worked on **gpfdist** - used for both download and upload purpose(loading data from local to Greenplum and vice versa) - Avoid skew based on table structure and having right Distributed by column
- Worked on creating **Dynamic partitions** while creating big tables in Greenplum - Have created Surrogate keys based on the requirement and loaded to the target table
- Worked hands on with ETL process – have theoretical knowledge working on ETL tool like **Informatica**
- Involved in defining job flows, managing and reviewing log files
- Responsible to manage data coming from different sources
- Supported Map Reduce Programs those are running on the cluster
- Gained very good business knowledge on **Credit Investment Banking**
- Responsible for identifying the repetitive problems in application and come up with the solutions to fix the Issues

Development tools: Greenplum database, PostgreSQL, Hadoop, Hive, JAVA, pgAdmin, JIRA, Filezilla, Unix scripting

Project#3: Retail and RPS(Retirement Plan Services) Record Keeping   **Jul 2014 – Jan 2016**

Client	:	T.Rowe Price, USA
Duration	:	1 year 6 months
Role	:	Hadoop developer
Team Size	:	4 Onsite
Location	:	Tech Center, 11550 Cronridge drive, Owings Mills, MD

Description: RPS operations provide recordkeeping services for corporate, non-profit and public retirement plans. On a monthly basis RPS operations receives approximately 8000 files containing plan participant data. RPS operations is responsible for validating the files plan participant data prior to processing it on omniplus, the retirement recordkeeping system.

Responsibilities
- Responsible for building scalable distributed data solutions using Hadoop
- Handled data transformations using **Hive, MapReduce**, loaded data into **HDFS** and extract the data using **Sqoop**
- Extract data from **MongoDB** through **Spring** and populate in frontend through **AngularJS**
- Analyzed the data by performing **Hive queries** and running **Pig scripts** to know user behavior
- Developed Hive queries to process the data and generate the data cubes for visualizing
- Extract data from **Hive** through **Spring,** generate the table data in **JSON format** and populate in frontend through **AngularJS**
- Worked on **MapReduce** programs including **Reduce Join** and **Map side Join**
- Worked hands on with ETL process – have theoretical knowledge working on ETL tool like **Informatica**
- Importing and exporting data into HDFS and Hive using **Sqoop**
- Involved in defining job flows, managing and reviewing log files
- Load and transform large sets of **structured, semi structured and unstructured data**
- Responsible to manage data coming from different sources
- Supported Map Reduce Programs those are running on the cluster
- Installed Oozie workflow engine to run multiple Hive and Pig jobs

- Gained very good business knowledge on Life insurance, claim processing etc
- Worked on Low Level and High Level Design documents for the new Business requirements
- Responsible for identifying the repetitive problems in application and come up with the solutions to fix the Issues

Development tools: JAVA, Spring MVC, Hadoop, Hive, Pig, Spark, KAFKA, AngularJS, MongoDB, Tomcat Server

Project#2: Client Central   **Apr 2011 – Jun 2014**

Client   :   AXA Equitable, USA
Duration   :   3 year 2 months
Role   :   JAVA developer
Team Size   :   6 Onsite
Location   :   AXA Equitable, Jersey City, NJ

Description: Client Central is conceptualized to be the authoritative source for wholesale party information within AXA and caters to the client data maintenance across Lob's like Commercial bank, Private bank, Investment bank, Credits, Risk and Treasury services.
              The project has two types of interfaces thin and web services. The thin client comprises JSP, HTML, Java Script. The web services component comprises Java and XML. All the server components are deployed in Web sphere 7.0 and the back end is Oracle 11g.

Responsibilities
- Involved in Complete Software Development Life Cycle (SDLC) from requirement gathering, data modeling, analysis, architecture design & build
- Implemented the **Spring framework** based on **MVC** design pattern
- Invoked **Web services** through **REST** calls to middle ware systems to get the desired response
- Developing the user interface using **JavaScript, CSS, HTML**
- Have been involved in building and deployment of the applications by using build tools like **ANT** and **Maven**
- Developed Java utility programs to retrieve data from **Oracle**
- Ensure the Production problems are resolved with in SLA for the global support project
- Business Knowledge acquisition and transition to the team members
- Analyzing the requirements and allocating the work to the team members
- Coordinating with client for requirement gathering and weekly team meetings
- Designed JSP pages as per requirements
- Coding and Defect resolution, performing Unit Testing
- Provide post implementation support
- Analyzing the Web and Application server logs using Unix commands
- Daily, Bi-weekly and Monthly status reports and status calls

Development tools: Core JAVA, Spring MVC, Hibernate, SQL, AngularJS, REST services

Project#1: Pension Annuity Recordkeeping Information System (PARIS)   **Jan 2006 – Mar 2011**

Client   :   AXA Equitable, USA
Duration   :   5 years 2 months
Role   :   Mainframe developer, also led the Annuity portfolio
Team Size   :   2 Onsite and 15 Offshore
Location   :   Tata Consultancy Services, Client location – AXA Equitable, Jersey City, NJ

UI   **:**   CAFÉ (Common Access Front End) coded in .NET

Description: PARIS is an Annuity administration system which is an implementation of Sungard OMNIPLAN product heavily customized over the years through multiple product release. CAFÉ is the front end for PARIS providing a User-friendly GUI based data entry and inquiry facility for Annuity Centre personnel to interface with the PARIS mainframe databases and applications used by AXA Financial in all aspects of the administration of the Equi-Vest and Momentum Annuity Products.

Responsibilities
- Successfully implemented several major projects like **Structured Investment Option, Managed accounts for Equivest series, Third Party Commissions, 901 takeover loans, Confirm redesign…**
- Worked in **SUNGARD OMNIPLAN/ OMNIPLUS** – developed new screens using assembler code, experienced in navigating all omni screens with ease, testing experience in testing transactions with native omni screen
- Successfully implemented SIO project(**S & P 500** Index) – knows how Sweep/Maturity works
- Have good knowledge in Annuity life cycle – from the policies being enrolled till its termination
- Good knowledge in Annuity concepts like **ARB/DCA/SWO/Loans**
- Supported mainframe upgrades in **CICS/ DB2**
- Worked on **IBM MQ series** supporting the front end distributed applications
- **Performance optimization has been done through STROBE** and saved more than 100K in 2013
- Have worked through **middleware** and Front end applications coded in .NET
- Send feeds to **valuation/IDB/Commission ledger** systems
- Worked with **SFTP** team to transfer the files successfully in and out of the client location
- Worked on **CICS production issues** and handled three different front end applications coded in **.NET/Java**
- Experience in monitoring **production jobs containing 200 jobs** which runs daily and make sure onlines are up on time including month/quarter/year end
- Hands on working on **OMEGAMON** to debug online abends
- Have written several **Quikjobs** and automated tools using **REXX**
- Have written several **SQL queries** for **DML** operations
- Requirement analysis, Application design & Development for the new Annuity Products.
- Co-ordinated Requirements between Business and IT development team on Lights-On enhancements.
- Work with Business Analysts to develop requirements for Discretionary Projects.
- Worked on Low Level and High Level Design documents for the new Business requirements.
- Understanding the Product features and prepares the requirements documents for IT development team.
- Prepared the Unit Test cases & Unit Test results for the new Annuity Products.
- Have done production support and maintenance for various releases
- Responsible for identifying the repetitive problems in application and come up with the solutions to fix the Issues
- Responsible for onsite coordination to handle offshore team
- Prepare Application User/Induction manual
- Have trained offshore to perform testing such as Unit and System testing

Development tools: CICS, COBOL, VSAM, DB2, JCL, Assembler, OMNIPLAN/ OMNIPLUS, TablesAs software, IBM MQ Series, PLATINUM, SQL, MS Visio, STROBE, OMEGAMON, Quikjob, REXX