SAI CHARAN BHATTIPROLU [charan.batti@gmail.com](mailto:charan.batti@gmail.com) Phone: 415-608-5598

SUMMARY

* Over 9+ years of IT experience in Design, Development, and maintenance of Manufacturing, Finance, Telecom, Banking, Insurance, and Retail Industry Software application needs.
* Experience in all phases of Software Development Life Cycle (SDLC) including analysis, specification, software and database administration, development, maintenance, testing and documentation
* Proficient in writing Packages, Stored Procedures, Functions, Views and Database Triggers using SQL and PL/SQL in Oracle.
* Passionate about Big Data, Analytics, Data Mining, Information Retrieval, Data Warehousing
* Tuning of SQL statements using Explain Plan to improve the performance.
* Experience in schema structure design and involved in estimation and optimization of data storage.
* Experience in Performance Tuning and Optimization of SQL statements.
* Experience in managing data concurrency and transaction processing.
* Profound experience in Data Loading from Flat files to Oracle using Oracle SQL\* Loader, External Table and UTL\_FILE methods.
* Working knowledge of Spark features including Core Spark, Spark SQL, and Spark Streaming.
* Knowledge of job workflow scheduling and monitoring tools like Oozie, UC4 and Zookeeper.
* Comfortable working with Unit Testing, Debugging, and Deployment of Applications.
* Working knowledge of UNIX Shell Scripting.
* Working Knowledge on Oracle apps modules.
* Worked in multiple responsibilities such as reviewing of ETL architecture, ETL design, and analysis and ETL technical specifications.
* Excellent Knowledge on Extraction, Transformation and Loading process ETL.
* Excellent conceptual and working knowledge of Oracle, SQL, PL/SQL, C, Java.
* Involved in environments like Oracle 10g,11g,9i and MYSQL 6.2
* Knowledge in Test Scripts, Test Cases, and SQL QA scripts to perform Unit testing, System Testing and Load testing. Seamlessly migrated Code from Development to Testing, UAT and Production.
* Developed Procedures and cursors in plsql and mysql while working with Mallinckrodt.
* Excellent analytical and communication skills those are required effectively to work in the field of applications development and maintenance.
* Experience in developing ETL Jobs Pentaho data integrator.
* Hands on experience in using Talend data profiler and transformations
* Working knowledge on reporting tools like Tableau.
* Involved in developing physical and conceptual data modeling using Erwin.
* Performed ETL testing for ETL jobs using various technologies.
* Expert in different types of testing that includes Black Box testing, Smoke testing, Functional testing, System Integration testing, End-to-End Testing, Regression testing & User Acceptance testing (UAT) & Involved in Load Testing, Performance Testing & Stress Testing.
* Proficiency in Back-End Testing/Database Testing specifically in developing and executing SQL queries to interact with databases.
* Working Knowledge on AWS, Jenkins, Cloud Foundry, Git lab.
* Working knowledge on Perl and Python.
* Expertise in use of Quality Center & Test Director for writing test cases, test execution, defect management, defect tracking and Bug Reporting.

TECHNICAL SKILLS

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| --- | --- |
| Languages | PL/SQL, SQL, Java, C/C++ and Pro\*C |
| RDBMS | Oracle 10g/9i/8i, MS Access, MS SQL Server 5/2000/2005/2012 |
| Scripting | SQL, PL/SQL, UNIX Shell Scripting,Python |
| Reporting Tool | Forms 10g/6i, Reports 11g,10g,Tableau,OBIEE |
| Query Tools | TOAD, SQL Navigator, SQL\* PLUS, Sql Developer |
| ETL Tools | Pentaho, SSIS, Informatica,Talend |
| Other Tools and languages | Hive, Mongo DB, Spark, Hadoop, Big data |
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**Data Integration Developer at ONIT Dec 2018 – Till Date**

**Sr Data Integration Developer**

* Translating data mapping, design documents, process documents, requirements, and legacy data maps to a conversion and translation map.
* Configuring and developed the required conversion routines, scripts or processes to stage data to the staging tables or to through an API.
* Providing analytics of dirty data based on conversion runs, including those based on test data.
* Developing and documented conversion output, including a number of records, failures, etc.
* Developing and documenting the test plan for converted data.
* Working with internal resources to refine the scope of tasks.
* Proactively evolve/enhance tools and assets utilized for implementations.
* Developing kettle transformation and jobs.
* Fine tune database queries in the database.
* Moving data into AWS from Oracle database.
* Using AWS CLI to create DB, Modify DB and take snapshots to restore database.
* Creating ETL jobs to pull data from various custom apps using Pentaho via API's.
* Improve the performance of existing data and ETL jobs.

**Environment: Oracle 11g, MSSQL server 2012,PL/SQL, SQL\*Loader, SQL Developer, UNIX, Postgresql 9.0,Pentaho 7.1 community, AWS CLI,Talend**

**Disney Parks and Resorts, Orlando, Fl May 2017 – Nov 2018**

**Sr.Data Integration Developer**

Disney parks and resorts is one of the Walt Disney Company’s four major business segments and a subsidiary. It includes media as well.

**Roles and Responsibilities:**

* Analyzing, designing, testing and coding of BI front end applications and backend engines according to business requirements.
* Responsible for developing transformations to ingest and manipulate data from various sources.
* Responsibilities also include defining user needs, providing input to functional design, testing and troubleshooting.
* Defining and Driving Over all BI and ETL Solutioning / Architecture Standards
* Architecture Solutioning in Pentaho PDI landscape
* Analytical, problem-solving, and conceptual skills and ability to work with a technical team comprised of internal and external resources.
* Performing Code Review with industry known best practices, Performance Tuning
* Gathering requirements from Business Users, conversion of business requirements to Pentaho PDI designs
* Pentaho PDI Job governance – Consolidation / Recommendations
* Performance Improvements for Pentaho PDI Jobs.
* Worked on Migrating Postgresql database to Mongo DB.
* Worked on CRUD operations.
* Read data from Mongo dB into Pentaho.
* Understand Change control Management and drive changes by performing Impact Analysis
* Ownership of all the deliverables such as Pentaho PDI Job designs, process improvements and consolidation exercises.
* Orchestrated the whole workflow end to end in Pentaho. Designed and been part of architecting the data warehouse and data marts
* Integrating Pentaho Data integration tool with Pyspark environment.
* Expertise in Hadoop ecosystem tools such as Hadoop, Sqoop, Hive, HBase, Spark, Pig, Hue, and Cloud era.
* Hands on experience moving data from client library and relational database to HDFS using HDFS commands and Sqoop.
* Worked on Joblets (reusable code) & Java routines in Talend.
* Expertise in creating mappings in Talend using tMap, tJoin, tReplicate, tParallelize, tConvertType, , tflowtoIterate, tAggregate, tSortRow, tFlowMeter, tLogCatcher, tHDFSInput, tHDFSOutput, tHiveLoad, tHiveInput,
* Analyzed large data sets (structured and unstructured) using Hive queries, Pig Scripts, and pyspark
* Analyze multiple sources of structured and unstructured data to propose and design data architecture solutions for scalability, high availability, fault tolerance, and elasticity.
* Worked on Hive and built logic to pull data from source systems to staging and aggregated data on number of impressions, first clicks, cost per minute data for some of the Disney subsidiaries.
* Experience in working with Map Reduce programs, Pig scripts and Hive commands to deliver the best results.
* Involved in migration of ETL processes from MySQL to Hive to test the easy data manipulation
* Developed Oracle plsql procedures, functions, triggers for data conversions.
* Developed Postgres psql stored procedures for data conversions.
* Worked on Oralce plsql stored procedures to aggregation.
* Involved in converting Hive/SQL queries into Spark transformations using Spark RDDs, Python and have a good experience in using pyspark.
* Converting Spark RDDs to Data Frames and cleansed the data from Data Frame store back to Hive.
* Strong knowledge and experience in Object Oriented Programming using Java, Shell Script, Python.
* Monitoring History data, Initial Loadings and data reconciliation by working closely with Business users/stakeholders for validations
* Worked on cloud migration plan. Moved BI server, Data server, Batch servers on to AWS.

**Environment: Oracle 11g, MSSQL server 2012,PL/SQL, SQL\*Loader, SQL Developer, UNIX, Windows NT 4.0/2000/XP, GITLAB 8.0, Jenkins,Python,Postgresql 9.0,Dbeaver4.5,Python 2.7/3.4,Spark 0.9.0,Hive 2.3.2,Pentaho 7.1 community edition, Talend Data Integration 6.4.0**,

**Profitool INC, Denver, CO Feb 2017 – May 2017**

**Sr.ETL Developer**

Profitool builds software and render services to construction companies. They have their own proprietary software application.

**Roles and responsibilities:**

* Designed ETL processes and develop source to target data mappings, workflows, and load processes  
  • Developed, tested, integrated and deployed ETL routines using ETL tools and programming/scripting languages, as necessary  
  • Worked on configuration management, security, and quality control in designs/implementations  
  • Documented the ETL process design and test results  
  • Verified and manage data dependencies, keys, data quality, sizing, and complex source to target mappings.
* Worked on Data profiling and Data modeling.
* Developed Plsql procedures for data validation and for ETL purpose.

**Environment: Oracle 11g, PL/SQL, TOAD, SQL\*Plus, UNIX, Windows NT 4.0/2000/XP, GITLAB 8.0, Jenkins, ERWIN 9.0, FORTRAN.**

**Great West Financials, Denver, CO March 2016 – Jan 2017**

**Database Developer/ETL**

Great west financials is one of the largest companies in handling 401k and empowering retirement plans. I worked on few of those applications which manage 401k participant’s data.

**Roles & Responsibilities:**

* Developed Pro\*c, c programs to extract data from incoming files of various formats, transform them and load them into work tables to generate reports to the customers and clients.
* Working on cash modules which includes development and support of pro\*c, plsql, UNIX and perl.
* Developed Pre-Processor scripts in PERL as a part of ETL process to load work\_participant and work\_klink\_cash tables for further processing
* Worked on Oracle forms 11g to as a user interface to preprocess various groups and clients data and to keep off sql loader for loading data into work tables.
* Developed Plsql procedures, used analytical functions and other performance tuning methods to improve scalability and performance of the code.
* Performed ETL for file processing using PERL
* Created lot of ETL jobs and preprocessors for input payroll files from clients to load them into database using PERL.
* Worked on debugging, developing and complete sdlc to fulfill targets.
* Involved in unit testing and supported QA teams and also supported production servers
* Used Git lab, Harvest for sub versioning.
* Worked on form customization and Oracle APEX for Investments applications.
* Created reports and developed web service calls.
* Used Erwin Data modeler for conceptual and physical data modeling.
* Scheduled Map-Reduce and Hive workflows using Oozie.
* Worked on analyzing Hadoop cluster and different big data analytical and processing tools including **Pig, Hive, Spark, Spark Streaming.**
* Experienced knowledge over the Restful API's like Elastic Search
* Involved in migrating existing Hive jobs to Spark SQL environment.
* Developed UNIX shell scripts and worked on Perl for batch processing jobs.
* Controlled all hardware/software functions in a multi-system batch and online   
  environment, ensuring that all devices and subsystems function normally
* Controlled and updated daily batch job cycles
* Coordinated the analysis and resolution of computer outages in an expedient manner
* Monitored and analyzed computer performance by means of the system console and software performance tools
* Worked on created scripts to schedule jobs in Autosys.

**Environment: Oracle 11g, PL/SQL, SQL\*Loader, SQL Developer, TOAD, SQL\*Plus, UNIX, Windows NT 4.0/2000/XP, GITLAB 8.0, Autosys, UC4 scheduler, PERL 5.0, ERWIN 9.0**

**Wells Fargo, Phoenix, AZ Sep 2015 – Feb 2016**

**ETL/Database dev**

Manage an application called ORBT which has a customization of several levels and hierarchies of various financial applications.

**Roles & Responsibilities:**

* Acted as the highest level technical role as an individual contributor and/or team lead for the most complex computer applications and/or application initiatives.
* Utilized a thorough understanding of available technology, tools, and existing designs.
* Worked on the most complex problems where analysis of situations or data requires evaluation of intangible variance factors.
* Planned, performed, and acted as the escalation point for the most complex platform designs, coding, and testing.
* Leaded most complex multiple modeling, simulations, and analysis efforts.
* Acted as a technical resource to programming staff in the program development, testing, and implementation process
* Extract Transform Load (ETL) development using SQL Server Integration Services (SSIS)
* Monitored and modified Performance using execution plans and Index tuning.
* Used Informatica IDQ for data reconciliation and quality check.
* Developed and implemented projects in an Oracle/Unix environment
* Created packages, triggers, cursors for **ORBT.PKG** and improved the performance of the application.
* Developed, reviewed code and identify design or development issues
* Creation of high-level and detailed design documentation, accurately mapping requirements into OBIEE functionality.
* Responsible for working on POC, to confirm whether requirements are feasible with business requirements.
* Performed **Data Migration** as a part of enterprise **data warehouse** project.
* Developed Oracle plsql procedures, triggers, cursors, packages, functions.

**Environment: Oracle 11g, PL/SQL, SQL\*Loader, SQL Developer, TOAD, SQL\*Plus, Windows NT 4.0/2000/XP, Tortoise SVN, Autosys, MS SQL Server […], Informatica IDQ 8, Linux**

**Comcast, Denver, CO April 2015- Sep 2015**

**Database dev/ETL**

Managing Telecom data services including applications like entitlements and service assurance of Comcast customers using data bases and ETL data ware housing.

**Roles & Responsibilities:**

• Designed and implemented Change Data capture (CDC) processes for Fact and Dimension tables through a combination of Time Stamps, staging (before / after images) and bridge tables

• Identified performance issues in existing sources, targets and mappings by analyzing the data flow, evaluating transformations and tuned accordingly for better performance.

* Used various types of inputs and outputs in Pentaho Kettle including Database Tables, MS Access, Text Files, Excel files and CSV files.
* Worked on MDM and data quality for corporate data warehouse using Kettle.

• Designed and implemented Business Intelligence Platform from scratch. Integrated it with upstream systems using Hadoop, Pig, Hive and other Big Data component for various functionalities. Make platform more resilient, also make it less configurable so that with minimal setting, we can onboard clients.

• Automated data transfer processes and mail notifications by using FTP Task and send mail task in Transformations.

• Responsible for creating database objects like table, views, Store Procedure, Triggers, Functions etc. using T-SQL to provide structure to store data and to maintain database efficiently.

• Reporting Data Designer bugs in Adaptive Integration to the support and creating workarounds until the bugs are fixed

* Identify, document and communicate BI and ETL best practices and industry accepted development methodologies and techniques.
* Used Pentaho to read data from HDFS, Hbase systems with steps like Hbase input, Mapreduce input.
* Worked on Pentaho orchestration for BA analytics.

• Troubleshoot BI tool problems and provide technical support as needed. Perform other tasks as assigned.

• Worked very closely with Project Manager to understand the requirement of reporting solutions to be built.

• Good experience in design the jobs and transformations and load the data sequentially & parallel for initial and incremental loads.

* Used Amazon web services for connecting sqlworkbench through redshift.
* Worked on Mongo db and performed CRUD operations.

• Good experience in using various PDI steps in cleansing and load the data as per the business needs

• Good experience in configuration of Data integration server to run the jobs in local, remote server and cluster mode.

• Good Experience in designing the advance reports, analysis reports and Dash Boards as per the clients requirements.

* Coordinated and assigned work to off-shore team in monitoring daily status and address road blocks if any.
* Experience in designing the advance reports, analysis reports and Dash Boards as per the clients requirements.
* Experience in creating cubes by using Pentaho Schema Workbench.
* Install, upgrade and configure all components of OBIEE
* Assess production faults and critical issues followed by identification of the root cause
* Evaluate and set strategies to implement infrastructure and application changes in OBIEE system and processes
* Worked end to end on different projects in OBIEE. Created reports and dashboards for review by the business users.
* Understand the requirements for designing the BI Architecture and ETL Architecture.

**Environment: Oracle 11g, PL/SQL, SQL\*Loader, SQL Developer, TOAD, SQL\*Plus, UNIX, Windows NT 4.0/2000/XP, SVN subversion, UC4 scheduler, Pentaho 3.0/Pentaho 4.0,Tableau reporting Server ,Pentaho Data Integration,OBIEE 11g,mapreduce,hive,hbase.**

**MALLINCKRODT, St Louis, MO Nov 2014 – Mar 2015**

**Database developer**

Working as Database and ETL developer for Mallinckrodt’s transition project from legacy system.

**Roles & Responsibilities:**

* Data analysis from legacy system to Mallinckrodt‘s master database.
* Tuning sql queries in Mysql workbench.
* Customized report from legacy company in Pentaho
* Developed code in MySQL and integrate with pentaho data integration
* Working on Penatho ETL transformation and jobs
* Developing UNIX shell script enhancements and code.
* Working on Bit bucket and GIT version control
* Working on end to end waterfall SDLC
* Developed Mysql queries and understanding of InnoDB and MyISAM
* Creating procedures in plsql for reporting purpose.
* Created complex stored Procedures, Triggers, Cursors, Tables and other SQL Joins and Statements for Applications by using T-SQL
* Used cursors for inserting the data into a report.
* Worked on PLSQL procedures, Performance tuning, created indexes, Partitions
* Worked With 'UPSERT' commands to programmatically INSERT data if it does not exist or UPDATE the data if it does all in 1 set of logic (SQL Server 2008)
* Generated periodic reports based on the statistical analysis of the data using SQL Server Reporting Services (SSRS).

**Environment: Oracle 11g, PL/SQL, SQL\*Loader, SQL DEVELOPER, SQL\*Plus, UNIX, Windows NT 4.0/2000/XP, Bit bucket, ERWIN 8.0 ,GIT version control, Pentaho 5.0,MYSQL 6.2,T-sql,** **MS SQL Server […]**

**Edward Jones, MO**   **Mar 2013 – Nov 2014**

**Oracle PL/SQL Developer**

Edwards Jones helps their clients with personal and corporate investments. They have lot of financial advisors who work for corporate and small business owners. They offer various services of stocks, bonds and mutual funds as well.

**Roles & Responsibilities:**

* Developed new Pl/sql Procedures for the legacy system code.
* Moved old data into new tables by writing new procedures.
* Created customized procedures, cursors, triggers, functions and worked with Java developers to populate that data on the websites of Edward Jones
* Developed UNIX Shell Scripts for analyzing, truncation and execution of PL/SQL procedures.
* Developed scripts using tools such as SQL Developer and edited them with tools like Slick Edit to for the better alignment of the code.
* In-depth knowledge of DB2 UDB database designing with extensive experience in working with DB2 UDB Version 8.
* Enhancement of the existing codes by debugging them.
* Worked as a developer for production support.
* Modified the SQL loader scripts by creating procedures for inserting and copying data to reduce the execution and elapse time.
* Developed several forms using Forms 6i in AR and AP modules.
* Designed application framework using APEX
* Built ETL for data mart, PreDefined Reports using Pentaho BI suite and deploy them on different server.
* Used JNDI to connect pentaho reports to database, variable to make reporting dynamic.
* Moved data from Db2 to Oracle tables.
* Worked with subject matter experts in creating complex oracle SQL queries for reports
* Involved in testing the scripts by performing Unit testing, System integration testing, Regression testing and helped them deploy from Autosys box

**Environment: Oracle 11g, PL/SQL, SQL\*Loader, SQL Developer, TOAD, DB2,SQL\*Plus, UNIX, Windows NT 4.0/2000/XP, SVN subversion, UC4 scheduler, Pentaho 3.0/Pentaho 4.2.1, Java script, ODI 11g,Oracle Reports 6i, Oracle Forms 6i,Oracle APEX(4.0)** **LINUX, 10g/11g R2 RAC**

**VMware, Palo Alto, CA Sep 2012 - Feb 2013**

**Oracle database developer**

**Roles & Responsibilities:**

* Developed several API’s for custom applications in AR and OM.
* Performance tuning of custom packages and standard API’s
* Developed customized API’s for the preprocessor programs in AR with general flow from OM
* Designed, developed and tested the customized API’s to integrate with other databases which are part of oracle and out of oracle.
* Worked on Subscription delivery platform (SDP) to maintain the end client’s customer data base.
* Integrated Oracle EBS with SDP with SOA through BPEL. Loaded data to custom and staging tables through EDI as XML pay loads.
* Worked on the workflow from OM to AR.
* Worked with BI Plug in for providing dynamic report data to OBIEE users.
* Responsible for working on POC, to confirm whether requirements are feasible with tool features.
* To provide customization for tool as per the customer requirements trained in other BI tools.
* Developed the project from the scratch by building the E-R diagrams, creating RPD/Dashboards.
* Responsible for implementation and customization of OM, INV, AR, PO, PA, GL, and Purchasing.

**Environment: Oracle Apps 11i General Ledger, Order Management, Inventory, Account Receivables, , SQL, PL/SQL, SQL\*Loader, Sun Solaris OS 2.8, Unix Shell scripting, PVCS,OBIEE**

**Conqsys IT August 2007 - July 2010**

**Sql Developer**

Conqsys offers IT services for various client across the world. They offer services for custom product developments.

**Roles & Responsibilities:**

* Modified **tables, synonyms, sequences, views, stored procedures** and **triggers.**
* Generated SQL and PL/SQL scripts to create and drop database objects.
* Enforced **constraints** for data validation.
* Fixed performance issues and bugs with packages and stored procedures using **explain plan.**
* Created **B-tree and Bitmap** indexes**.**
* Developed Mysql queries.
* Loaded flat file using as **SQL \*LOADER** into database**.**
* Used **TOAD & SQL Developer** for debugging application.
* Created **UNIX** shell scripts and scheduled **Cron jobs.**
* Written **cursors** and **REF Cursors** for transaction processing.
* Implemented database **triggers** based on the business rules and requirements.
* Assisted in **Functional Requirement Specification** & **Use Case Diagrams** to Streamlining the business flow.

**Environment: UNIX, Oracle 8i, PL/SQL, SQL, SQL\*Plus 9.2.0.0, Sun Solaris 5.8, Putty Beta 0.60, VI Editor, MS SQL 2005, HTML, Mysql, Mercury Win Runner 7.8, MS Visio 2005.**

**EDUCATION:**

Bachelors in technology of Computer science ICFAI UNIVERSITY AUG 2003 - MAY 2007

Masters in Software engineering: OKCU AUG 2010 - MAY 2012