Subramanyam Paripati

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TechNICAL support & Business Intelligence Manager

*Team-centric and results-focused leader and Scrum Master serves IT departments and clients through technical analysis, project prioritization, and product improvements. Passionate about cultivating amazing teams, elevating performance, and developing future leaders. Identify client needs and implements to delivery valuable user stories.*

**Areas of Expertise**

* Team Development & Leadership • Training & Mentoring • Project Management • Architecture Design • Problem Solving & Technical Troubleshooting • Agile Methodologies • Agile Methodologies • Data warehouse life cycle Building ETL • Data Modeler • Dimension Modeler • Data Version Control & Data life Cycle • Data Analytics• Database &Metadata Management • Reporting & Dashboards

**Professional compentence & Technical summary**

* Helped the team with troubleshooting, technical discussions, coding, reviewing, and making appropriate commitments through story selection and sizing. Participated proactively in developing and maintaining the team.
* Managed team members effectively following company policy and procedures, including performance management, career development, training, and conflict resolution with effective feedback.
* Involved in Implementation of complete Data warehouse life cycle, which includes requirements gathering, ETL Design, Dimensional data modeling, Creation of Reports, and dashboard. Assisted team in during development of each phase.
* Have extensive experience in installing and configuring BI reporting services, managing user access, and importing/exporting report packages. Knowledgeable in integrating with external applications using API frameworks.
* Expertise in transitioning and constructing cloud-based data warehousing solutions using a variety of cloud-based platforms, including AWS Glue, Athena, Redshift, Spectrum, Azure Data Factory, and Synapse
* Exhibit a high degree of proficiency in utilizing tools like Erwin, Visio, IDERA ER/Studio, Framework Manager, and LookML to build sophisticated data models, covering conceptual, logical, and physical models for OLTP repositories and data dimensional models for OLAP data warehousing systems.
* Expertise in building data visualization dashboard with Power BI, data cleansing and massaging using Power query editor, and familiar with publishing, grating permission and scheduling of reports.
* Create insightful BI based reports to monitor and highlight contributing factors financial and operational variances and anomalies helping the executing in key decision making.
* Seasoned database administration (SQL/Oracle) with experience in installation/configuration, import/export operations, backup and restoring, logging, running update statistics, SQL Server named instance configuration, masking fields, reverse/forward engineering database and writing DDL, DML, DQL, DCL and TCL scripts.
* Have in-depth knowledge and experience in database design, data normalization, analyzing SQL execution plans, constructing complex queries, using system queries to monitor database performance, and reducing database size with purging and archiving scripts.
* Experience using data versioning control tools such as Perforce, SVN and GitHub and have integrated these tools with Jenkins server to automate the build process
* Have a proficient grasp of metadata management, data governance, and the lifecycle of data in OLTP databases.
* Hands-on experience in building java/j2ee based web applications, also mastery in troubleshooting and implementation of customer solutions for critical escalations.
* Built infrastructure required for optimal extraction, transformation, and loading of data from a wide variety of data sources using various on-premises and cloud-based technologies and involved in meta database management for dimensions and facts tables of Data mart.
* Designed and developed incremental ETL using table merge, lookup and staging based approaches, adept at dimensional modeling (Star, snowflake, and Galaxy), creation of reports (SSRS, Report Net), and MOLP cubes,
* Expertise in investigating performance issues, debugging database issues, Query optimization, purge utilities, analyze database profile for dead lock victims, Application Server slowness, and tuning of ETL process.

**Technical skills**

* Java/Public Could/Database/CI/CD : Java, j2ee, Spring, Xml, Json, RestAPI, Soap Api, RBAC, JavaScript , Ajax, JQuery, SQL, PL/SQL, SQL Server , Oracle, Python, Jenkin , Github, MangoDB( NoSQL), Kubernets, Wild Fly, Tomcat, WebLogic.
* Agile Methodologies / Tools Scrum, Kanban, ServiceNow, Salesforce
* ETL Tools: Data Manager, Talend, informatic, Pentaho,SSIS, IBM Data Stage.
* Analytics: IBM CognosBI, PowerBI, Looker, Tableau, LookML.
* AWS Cloud Platform AWS ( Athena, Glue, Redshift, S3, QuickSight, Lambda, Dynamo DB).
* Azure Cloud Platform Azure (DataFactory, SQL Server, Synapse, Cosmo Db).
* Dimensional model techniques Star, Snowflake, Galaxy (Kimball methodology).

**Professional Experience**

*Cisco Systems –Ottawa, ON* **Technical support manager** Dec. 2014 – Present

* Reviewed escalation backlogs, prioritizing critical issues**,** and deploying methodologies to avoid downtime during patching and installations.
* Directed staff in monitoring incoming incidents, providing technical assistance, and supporting engineering teams. Optimized service response times based on service level agreements (SLAs).
* Designed and executed customer solutions, overseeing staff during customer upgrade paths and fix pack installation.
* Created documentation and knowledge-basedarticles to share lessons learned, costing information, and process improvements.
* Analyzed complexity of RBAC (role-based access capability) structure in database and simplified the hierarchy framework using edge-based table approach to eradicate complex hierarchy queries. Used IDERA ER/Studio Data Architect tool to perform both reverse and forward engineering of database.
* Involved in building conceptional, logical and Physical data models for RBAC and reporting dashboard configuration databases, as part of building models used various tool such as IDERA ER/Studio, Erwin, and Visio.
* Developed stored procedure scripts to purge/archive legacy data from high volume transaction tables to improve performance and response time of database.
* Introduced changes to Star and Snowflake dimensional models to accommodate customer enhancements pertaining to attributes and measures.
* Developed various solutions driven views and dashboards by developing different chart types including Pie, Bar, Line charts and slicer in Power BI.
* Utilized Power Query in Power BI for data cleansing and massaging as per the customer requirements which includes creating calculated columns, measures, and custom table.
* Improved, as part of customer request**, c**ost-effectiveness, replaced ETL utility with data pipeline (AWS glue) on

cloud-based platforms.

*Cisco Systems – Bangalore, India* **BI Architect** May 2011 – Nov. 2014

* Launched session and persistent token authentication for REST API/SOAP calls.
* Developed Purge utility scripts for cleaning up large dataset tables and integrated with Java Cron utility to run in background process.
* Strengthened service item repository, including role-based access for optimal security and re-designed the database and implemented instance/object level data permissions.
* Eliminated potential malicious JavaScript attacks, configuring product with Antisamy java component.
* Improved cost-effectiveness of data manager ETL by transitioning to Pentaho integration.
* Created stored procedures for the extracting incremental data from Staging area into main Data Mart of Data
* warehouse.
* Introduced additional logging for each ETL job and captured them in DataMart log tables, provided provision for users to fetch historical information.
* Design and creation of the state and variance dashboard (KPI) using Tableau. Integration with the web-based application as a full-fledged dashboard as well as configurable key performance indicators.
* Applied advanced encryption standard (AES) algorithm, securing sensitive information in database. Fine-tuned complex queries in heavy data weight Service Manager module.

*newScale Systems India – Bangalore, India* **Senior Software Engineer** Jan. 2006 – Apr. 2011

Integrated web-based application as dashboard, configuring KPIs.

* Developed stage based incremental ETL, enabling data fetching from OLTP to OLAP repository, including data mapping, transformations, job sequencing, error handling, and email notification.
* Migrated to Service Reporting from Cognos Report Net and Cognos 8.4/SSRS.
* Spearheaded homegrown Java ETL to extract XML packet data from OLTP to OLAP, developed customized Java provider namespace to act database repository as namespace for BI report server.
* Supported other ETL developers, providing mentoring, technical assistance, and troubleshooting.
* Assisted business and technology stakeholders in establishing data management framework with necessary data quality controls and governance.
* Designed data mart of data warehouse using star and snowflake dimensional data model approach.
* Optimized queries to run efficiently to use less workload to generation reports and fine tunned ETL process for faster execution.

*ness Technologies – Bangalore, India* **Software Engineer** Jan 2004 –Dec 2005

* Wrote factory approach to pull RBAC user information to access manager name space as authentication provider.
* Crafted reports using Cognos Impromptu and SSRS tools, along with BI powerplay.
* Developed cross platform scripts for data source creation, reports permission, publishing custom packages and ETL process, and Cognos SSO implementation.
* Configured and integrated user-defined functions in ETL transformation process layer to transfer L10N resource strings as our product supports multi-localization.

**Education**

Master’s (MCA) Degree, Computer Science – University of Madras, Chennai, India