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| **JWALA** |
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##### Summary:

* Over 27 years of working globally to help several clients (MNC’s as well as medium sized companies) achieve significant improvements in their key business processes through architecting, development, and implementation of software systems.
* Rich experience in managing large projects implementing solutions for Demand Management, Demand Fulfillment, Supply Chain Planning, Factory Planning, Supply Chain Strategy, Inventory Management, Master Data Management, Performance Management.
* Worked on numerous enterprise scale systems implementation projects in a variety of domains spanning Supply Chain Management, Channel Management, Retail BI, Shipping, Insurance, Fleet Management and other MIS applications.
* Performed key roles in numerous end-to-end system/project lifecycles - from requirement study and analysis through conceptual design, prototyping to development, production rollout and maintenance.
* Deep knowledge of software product development and lifecycle management processes and techniques.
* Hands-on knowledge of cloud technologies, SOA, EAI technologies, ETL technologies, big data processing, and web technologies.
* Experience in identifying, hiring, training & mentoring associates for development, consulting & support roles.

##### Certification

* AWS Certified Solution Architect Associate.
* Oracle Certified DBA.
* Cisco Certified Network Associate (expired).
* Associate Member of Narottam Morarjee Institute of Shipping.

##### Skill Set:

|  |  |
| --- | --- |
| **ETL tools and orchestration:** | Spark Core (PySpark), Spark SQL, Azure Data Factory, AWS Glue, Informatica PowerCenter. |
| **Cloud Platforms:** | AWS, Azure Cloud |
| **Databases:** | Oracle, MySql, PostgreSQL, SQL Server, RedShift and DynamoDB. |
| **DevOps tools:** | GIT, Jenkins, Docker, Kubernetes, Ansible. |
| **Programming Languages and frameworks:** | Python, Flask framework, Java SE, SpringFramework |
| **O/S:** | Unix / Linux with scripting and basic system administration. |
| **Networking:** | CISCO. |

##### FUNCTIONAL EXPERTISE:

* Supply Chain Management.
* Systems Integration and Enterprise Architecture.
* Software Engineering.
* Master Data Management and Big Data based solutions.
* Data Warehousing and Business Intelligence.
* Business Process Analysis and Design.
* Practice Management.
* Program and Project Management.

##### Education:

* Nagarjuna University, 1987 to 1991, Bachelor of Technology in Mechanical Engineering.
* Department of Commerce and Management Studies, Andhra University, 1992 to 1994, Master of Business Administration.

##### Professional Experience:

**Tavant Technologies Aug 2019 – till date**

**Client: Land O’Lakes, Inc**

**Role: Data Architect**

**Environment:**  Postgresql, Azure SQL DB, T-SQL, Azure Data Factory, Power BI, Snowflake and PySpark (Azure Databricks).

**Project Name: TruTerra MDA (Land O’Lakes)**

**Project Description:** Truterra is a Land O’Lakes sustainability product offering targeted to serve various agriculture related businesses and organizations. The Truterra solution is built on top of DataSilo – a comprehensive geospatial data integration platform that brings data from various ecosystem partners into one place. DataSilo is a solution built and managed by Tavant.

**Truterra MDA (modern data architecture)** is the data management framework that enables the Truterra DW/BI system. Land O’Lakes engaged Tavant to help build and operationalize the MDA solution to enhance the data management capabilities and realize the BI and reporting use cases.

**The project scope included:**

* Perform current state analysis of the data management capabilities.
* Design future state capabilities for MDA and create an implementation roadmap for solution implementation and change management.
* Design and develop data model for Power BI.
* Develop and deliver Power BI reports to business users and external users.

**Responsibility:**

* Analyze the organizational data management needs for DWBI and recommend solution.
* Develop and operationalize the MDA Data Pipeline to enable.
* Data ingestion, data staging, data curation, data transformation and data mart automation.
* Data auditability, traceability.
* Power BI data modelling - import, measure development.
* Work on a proof of concept to migrate the MDA solution from an AzureSQLDB / AzureDataFactory based solution to a SnowFlake/Databricks based solution.
* Onsite – Offshore coordination.

**Client: Ally Bank**

**Role: Project Manager SME**

Project Name: Ally Bank DMS Evaluation and Selection

**Project Description**: Ally Bank is experiencing challenges with their existing document management processes and engaged Tavant to help evaluating their current solution and to make a recommendation to improve their document management capabilities.

**The project scope included:**

* Perform current state analysis of business processes, document systems, and workflows for loan origination and servicing functions.
* Design future state process flows for DMS and create and implementation roadmap for solution implementation and change management.
* Preliminary Vendor evaluation and selection – publishing RFI, evaluating vendor solutions, explore pricing models for budgetary allocations, and prepare a final report and make recommendations.

**Responsibility:**

* Capture the desired business outcomes for Ally Bank.
* Define and execute the vendor solution evaluation and shortlisting process.
* Prepare and present findings and make solution recommendations to key stakeholders.

**Client: Genworth Mortgage**

**Role: Enterprise Data Architect**

**Environment:** Python, Informatica IDQ, Informatica PowerCenter, Oracle RDBMS and Tableau.

**Project Name:** Genworth Mortgage Data Quality Framework

**Project Description:** Genworth Financials (GNW) is a leading provider of mortgage insurance solutions. The Enterprise Data Management office (EDMO) of GNW asked Tavant to help establish a data quality framework to provide enterprise monitoring of quality from central, managed perspective. The scope of the project also included delivering managed data mart(s) for underwriting and appraisals for streamlined reporting with quality controls and ongoing monitoring. Data mart(s) will consolidate multiple legacy and new business data sources into a single source of truth. The delivery of this data mart established and demonstrated the capabilities of the newly developed data quality framework. This framework would be adopted and utilized on all future programs/projects of EDMO.

**Responsibility:**

* Delivery management – project planning, effort estimation, task assignment, project control, project reporting, and final delivery.
* Onsite – offshore coordination and management.
* Design and develop the Data Quality framework.

**Pixentia Corporation, Irving, TX. May 2016 – April 2019**

**Role: Global Delivery Manager**

**Environment:** AWS, Pentaho Data Integration, Informatica PowerCenter, Pentaho BI Server, Mondrian OLAP, CTools, Tableau, Qlikview, Apache ServiceMix, Mule, Apache MQ and Camel.

Description: Pixentia Solutions is a specialty IT solutions company that undertakes bespoke application development for enterprises, provides support to organizations through the entire lifecycle of HCM solution implementation and operations. Pixentia also provides enterprise-wide analytics solutions giving a perspective of data-derived intelligence.

**Responsibilities:**

* Work on consulting projects and billable assignments.
* Manage Offshore Delivery Center (ODC).
* Define and evolve software engineering practices at ODC.
* Training and mentoring ODC technical staff.
* Manage technical pre-sales activities.

**ZYME Solutions, Bangalore, India October 2015 – April 2016**

**Role: Product Owner (Channel Data Management Solutions)**

**Environment:** MySQL Enterprise, Python, Informatica PowerCenter, Pentaho Data Integration, Hadoop MapReduce and QlikView and Zyme Channel Data (CDM).

**Project Description:**

Zyme Solutions is a leader in Channel Data Management solutions. I was the Product Owner and Solution Architect for a highly scalable, flexible, turn-key, automated, end-to-end incentives management solution that helps companies define, track, accurately calculate, and manage partner payouts for a comprehensive set of incentives program types. The solution helps customers leverage the scale, configurability and the breadth of the solution to automate and seamlessly manage a wide range of incentives programs. The solution is powered by a high-performance engine that utilizes Big Data technologies to process millions of transactions to calculate accurate incentives payout for each transaction. With real and accurate channel data as the foundation of managing partner incentives, companies can accurately target the right partners with the right programs to increase partner participation, drive desired behavior, and increase channel sales while decreasing overall spend by plugging leaky overpayments.

**Responsibilities:**

* Architecting and Designing the solution – based on Hadoop and Map Reduce.
* Lead solution development effort for the Incentives Solution.
* Own and lead product architecture reviews and recommendations.
* Support Professional services team on implementations and deployments.
* Support solution operations team in servicing customers.
* Participate in sales cycles / product demos and help respond to RFP’s. Also communicate regularly with existing customers through product webcasts.
* Update product documentation. Help QA team in testing complex functionalities.

**JDA SOFTWARE (now Blue Yonder) October 2015 – April 2016**

**Client: Birla White, Mumbai, India**

**Role: Program Manager**

**Environment:** Oracle RDBMS, Informatica PowerCenter, i2 Agile Business Process Platform (ABPP), i2 Master Data Management (MDM) and i2 ODS.

**Project Description:**

Birla White is a division of the Aditya Birla Group which is a US $41 billion (Rs. 2,50,000 crore) corporation, the Aditya Birla Group is in the League of Fortune 500. In the year 1988, Birla White commenced its production of white cement in India. And since that time, Birla White cemented its place as a market leader. Birla White partnered with JDA to implement a forecasting and planning solution using JDA Demand Manager and JDA Supply Chain Strategist.

**Responsibilities:**

* Program Management, Project Management, and Solution Delivery.
* System Architecture – Integration and Data.
* Solution development, implementation, and deployment.
* Data Management and Governance.
* Infrastructure Planning and Provisioning.
* Developing and implementing strategies for solution adoption, change management and sustenance.

**Manthan Systems, Bangalore, India. June 2010 – March 2011**

**Role: Product Manager**

**Environment**: MySQL RDBMS, Pentaho Data Integration and Mondrian.

**Project Description:**

Manthan is a business intelligence and analytics company with headquarters in Bangalore, India which employs more than 500 people. Manthan provides ready-to-use analytics solution built exclusively for retail. It spans the entire analytics spectrum - Discovery, Descriptive, Predictive and Prescriptive.

**Responsibilities:**

* Manage multiple priorities and projects coupled with the flexibility to quickly adapt to ever-evolving business needs.
* Assume ownership and accountability for the program deliverables thru all phases of the development lifecycle.
* Adhere to customer’s IT Control Policies throughout design, development and testing and incorporate customer’s architectural and IT standards into application design specifications.
* Participate in code & design reviews and ensure that all solutions are aligned to pre-defined architectural specifications; identify/troubleshoot application code-related issues; and review and provide feedback to the final user documentation.
* Lead coding, testing, modifying, debugging, documenting, and implementing ETL graphs/mappings using open source tools like PDI as well as building custom ETL solutions using Python/Java.
* Develop scripts to automate the execution of ETL graphs/mappings using shell scripts under Unix environment.
* Help develop test cases and plans to complete the unit testing and support System testing.
* Help develop code migration strategies from one environment to the other.

**i2 Technologies (now Blue Yonder) May 2001 – March 2010**

**Role: Program Director**

**Environment:** Oracle RDBMS, AIX, Informatica PowerCenter, WebMethods, i2 Agile Business Process Platform (ABPP), i2 Master Data Management (MDM), i2 ODS and SAP SD and MM.

**Description:**

IOCL is a fortune 500 company and is the largest oil company in India. The lubes division of IOCL is implementing the full suite of i2 solutions including Demand Management, Inventory Planning, Master Planning, Distribution Planning, Transportation Planning, Transportation Management and Production Scheduling. The solution went live in June 2010.

**Responsibilities:**

* Account Management and Program Delivery.
* System Architecture – Integration and Data.
* Solution development, implementation, and deployment.
* Data Management and Governance.
* Infrastructure Planning and Provisioning.
* Developing and implementing strategies for solution adoption, change management and sustenance.

**Client: Essar Steel Ltd. Mumbai, India**

**Role: Program Manager**

**Environment:** Oracle RDBMS, AIX, Informatica PowerCenter, WebMethods, i2 Agile Business Process Platform (ABPP), i2 Master Data Management (MDM), i2 ODS and SAP SD and MM.

**Project Description:**

Essar Steel is a leading integrated steel manufacturer in India with a total installed capacity of 4.7 million tons per annum and expects to reach a capacity of 9 million tons per annum by middle of year 2010. That would make them the second largest private steel company in India at that time. Essar Steel implemented the full i2 metals suite of i2 – Demand Manager, Profit Optimizer, Master Planning, Allocation Planning, Real Time Order Promising, Factory Planning, Material Allocator, and Master Data Management

**Responsibilities:**

* System Architecture – Integration and Data.
* Solution development, implementation and deployment.
* Design and develop Informatica PowerCenter ETL solution to integrate data from various sources to i2 MDM and i2 ODS.
* Design and develop real-time integration between SAP Order Management and i2’s Demand Fulfillment using WebMethods EAI to provide accurate ATP and due date quoting.
* Data Management and Governance.
* Infrastructure Planning and Provisioning.
* Developing and implementing strategies for MDM solution adoption, change management and sustenance.

**Tata Steel Ltd., Jamshedpur, India Jul 08 – Sep 09**

**Role: project Manager & Integration Architect.**

**Environment:** Oracle RDBMS, AIX, Informatica PowerCenter, WebMethods, i2 Agile Business Process Platform (ABPP), i2 Master Data Management (MDM), i2 ODS and SAP SD and MM.

**Description:**

Tata Steel is one of the largest private steel companies in India.They are currently running on i2 6.1 SCM footprint, which includes DM, SCP, DF, MDM, PM. The objective of this project was to implement the i2 SCM solution for Metals in the Flat Products division of Tata Steel.

**Responsibilities:**

* System Architecture – Integration and Data.
* Solution development, implementation and deployment.
* Design and develop Informatica PowerCenter ETL solution to integrate data from various sources to i2 MDM and i2 ODS.
* Design and develop real-time integration between SAP Order Management and i2’s Demand Fulfillment using WebMethods EAI to provide accurate ATP and due date quoting.
* Data Management and Governance.
* Infrastructure Planning and Provisioning.
* Developing and implementing strategies for MDM solution adoption, change management and sustenance.

**Client: ON Semi., Phoenix, AZ / Bangalore, India.**

**Role: Architect – Integration and Data**

**Environment:** Oracle RDBMS, Informatica PowerCenter, WebMethods and UNIX shell scripting.

**Project Description:**

ON Semi is a valuable i2 customer and they are currently running on i2 4.3.1 SCM footprint, which includes DP, SCP and DF. The objective of this project is to upgrade the i2 Solution from 4.3.1 to i2 6.1.

**Responsibilities:**

* Assessment of current Integration Solution at ON Semi.
* Requirement gathering and transitioning the build activities to Solution Center in Bangalore.
* Solution development, implementation and deployment.
* Ensuring the quality of the integration deliverables meeting the project schedules.

**Client: AVX Corporation., Munich, Germany / Bangalore, India.**

**Role: Architect – Integration and Data**

**Environment:** i2 ODS, i2 DF HA (for order promising), Oracle ERP and Oracle RDBMS.

**Description:**

AVX Corporation is implementing i2 SCM solution to improve their Order Promising and Supply Planning capabilities. AVX has 3 different Legacy Systems and 3 instances of ERP (Oracle) that need to be integrated with the i2 Systems.

**Responsibilities:**

* Requirement gathering and transitioning the build activities to Solution Center in Bangalore.
* Solution development, implementation and deployment.
* Ensuring the quality of the integration deliverables meeting the project schedules.

**Client: Motorola Corporation., Libertyville, IL / Singapore.**

**Role: Architect – Integration and Data**

**Environment:** i2 ODS, i2 DMS (Data Management Services), Oracle ERP, Oracle RDBMS and Informatica PowerCenter.

**Description:**

Motorola implemented the i2 SCM suite for their mobile phone’s division. The IT Landscape in Motorola includes multiple instances of Oracle ERP and other legacy systems. The Integration Solution on this project includes building a staging solution using i2 DMS toolkit. There are many data management workflows for managing orphan data as well as for transforming data from Motorola systems to feed i2 Systems.

**Responsibilities:**

* Requirement gathering and transitioning the build activities to Solution Center in Bangalore.
* Integration Architect handling the integration project for integrating i2 SCP with current Motorola Systems.
* Solution development, implementation and deployment.
* Ensuring the quality of the integration deliverables meeting the project schedules.

**Client: Lenovo Computers., Beijing, China.**

**Role: Architect – Integration and Data**

**Environment:** i2 ODS, i2 DMS (Data Management Services), Oracle ERP, Oracle RDBMS and Informatica PowerCenter.

**Description:**

Lenovo implemented the i2 SCM Solution suite consisting of Demand Planner, Demand Fulfillment, Supply Chain Planner, Factory Planner and Supply Chain Collaboration products. The focus of this project is to change the current supply chain model, which is MKS (Make to stock) to CTO (Configure to order).

**Responsibilities:**

* Requirement gathering, designing, building and transitioning the data management solution to the Lenovo IT team.
* Integration Architect handling the integration project for integrating i2 planning applications with client’s execution systems.
* Training the client’s team members on the solution.
* Ensuring the quality of the integration deliverables meeting the project schedules.

**Client: i2 FreightMatrix., Irving, TX.**

**Role: Architect – Integration and Data**

**Environment:** i2 FreightMatrix, WebMethods and BTrade Middleware.

**Description:**

This project involved migration of Freightmatrix (an i2 marketplace platform for transportation) EDI Connectivity from BTrade middleware to a customized WebMethods EDI connectivity solution.

**Responsibilities:**

* Integration Architect on this project and responsible for architecting the integration framework for the connectivity solution and also led the migration efforts.
* Training the i2 consulting team members on using the solution.

**Client: i2 FreightMatrix., Irving, TX.**

**Role: Technical Architect**

**Description:** During this project, some of the customers that I worked with are –

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| --- | --- | --- | --- |
| **No**  **.** | **Client/Project** | **i2 Products / Others** | **Role** |
| 1 | P&G | OMX, RRP | Hardware Sizing and Infrastructure Support |
| 2 | Philips | ADW | ADW Performance Tuning |
| 3 | RightWorks | Oracle database | Benchmarking Project |
| 4 | Sprint NS | IP, SCP, BPI, ADW, MDW | ADW Performance Tuning |
| 5 | Legend Computer Systems, Beijing | DP, SCP, FP,  Supply Collaboration | Hardware Sizing, Technical Architecture and Infrastructure Support |
| 6 | Pemstar | FP- Analyzers, Oracle 8.1.6, DB2 | Linking and Synchronization of Heterogeneous Databases |
| 7 | AMAT | Strategic  Sourcing | H/W Sizing and Technical Design |
| 8 | Cavendish Farms | DP 5.2, SCP  5.2, ODS | H/W Sizing and Technical Design |
| 9 | DELL | Supply Collaboration 5.2, BPI 5.2,  SCP 5.2 | 5.2 Upgrade |
| 10 | Honeywell | Strategic Sourcing 5.2, Contract Management 5.2, Negotiate  5.2 | H/W Sizing and Technical Design. |
| 11 | Matsushita | DP 5.2, SCP  5.2, ODS | H/W Sizing and Technical Design |
| 12 | Occidental Chemicals | DKM 5.2,  Procurement 5.2 | H/W Sizing and Technical Design |
| 13 | Methanex | DP 5.2, SCP  5.2, ODS | H/W Sizing and Technical Design |
| 14 | Xcel Energy | DKM/CX 5.2 | H/W Sizing and Technical Design |
| 15 | Potash Corp. | DP 5.2, SCP  5.2, ODS, DF  5.2, TO 5.2 | H/W Sizing and Technical Design |
| 16 | Ryder System, Inc. | TM/TO 5.2 | H/W Sizing review and Technical Design for 5.2 upgrade |

**Client: Acurion, Inc., Boston, MA. June 2000 – May 2001**

**Role: Database Designer and Developer**

**Environment:** Inprise Application Server 4.0, Oracle 8i and Windows NT 4.0.

**Description:**

The client Acurion is a privately held B2B e-commerce services firm focused on delivering e-procurement solutions for network services. The scope of this engagement is to build an Administrative interface for Acurion’s Band Wizard.

**Responsibilities:**

* Designing the Data Model.
* Prototyping and proof of concept involving creation and deployment of EJBs and connecting to the Oracle Database from the Inprise Application Server.
* Installation and Configuration of Oracle.
* Developing and implementing strategies for database replication across development, QA and production environments.

**Client: RealtyIQ.com, Boston, MA. July 1999 – January 2000**

**Role: DB Designer, DB Developer and DB Administrator**

**Environment:** MS Site Server 3.0, Oracle 8i, VB, Solaris 2.6 and Windows NT 4.0.

**Description:**

A time to market project. The client wanted to secure a second round of funding and needed the web application running in less than 7 weeks. The biggest challenge was building 3 completely separate environments and designing the solution to merge seamlessly once the development, QA and production environments were ready.

**Responsibilities:**

* Architecting the Data model.
* Prototyping and proof of concept.
* Installation and Configuration of Oracle.
* Leading the Oracle development team.
* Coding PL/SQL packages and procedures.
* Creation, configuration and maintenance of the Oracle Database.
* Developing and implementing strategies for database replication and fail-over.

**Clinet: Siebel Technical Support, Boston, MA January 2000 – June 2000**

**Role: Siebel Consultant**

**Environment:** Siebel 2000, Oracle 8i and MS SQL Server.

**Description:**

I was working in Siebel providing Siebel Professional Services consultants with implementation and configuration assistance. His job involved fielding difficult technical problems, researching and interacting with Product Engineers and Subject Matter Experts in order to provide timely resolution.

**Responsibilities:**

* Siebel Assignment Manager Configuration.
* Siebel Workflow Configuration and Administration.
* Enterprise Integration Configuration.
* Remote and Replication Manager Configuration.
* Siebel Server Administration.
* eBusiness Application Configuration.

**Client: Trilogy Software, Austin, TX. July 1999 – January 2000**

**Role: DB Designer, DB Developer and DB Administrator**

**Environment:** Oracle 8i, HP-UX 10.2, Trilogy Backbone and VB COM.

**Description:**

Trilogy is a leading provider of next generation, multi-channel e- commerce solutions for the Global 2000. This engagement involved developing an application to facilitate the administration and processing of rebates to enable pharmaceutical manufacturers to gain a strategic advantage in constructing and managing contracts.

**Responsibilities:**

* Designing the Data Model.
* Installation and Configuration of Oracle.
* Leading the Oracle development team.
* Coding PL/SQL packages and procedures.
* Creation, configuration and maintenance of the Oracle Database.
* Extraction of Data from legacy systems and loading into Trilogy application database.
* DB Tuning, object management, tablespace management, security, user management, etc.
* Developing and implementing strategies for database replication and fail-over.

**Client: GE Capital –Mumbai, India ODC. November 1997 - June 1999**

**Role: DB Developer and Module leader**

**Environment:** Oracle 7.3, INGRES, UNIX, Power Builder 4, and Oracle Financials

**Description:**

Avis fleet management services is a Vehicle Leasing and Fleet Management Services company catering mainly to corporate clients and is a subsidiary of General Electric Company of the USA. The main modules of the PHOENIX system include Customer Information, Sales, Quotation, Supplier Information, Vehicle Ordering, Vehicle Contracts, Billing, etc.

**Responsibilities:**

* Enforcing ISO 9000 standards and other QA activities including documentation.
* Code review with application developers.
* Backup and recovery of the database.
* Performance Tuning – Application and Database.
* Configuration Management activities.
* Planning production rollout strategies and client deployments.

**Client: GE Capital - Mumbai, India ODC. November 1996 - November 1997**

**Role: Sr. Software Engineer, DBA and developer**

**General Electric Financial Assurance p.d.,q. (Policy Data, Quickly)**

**Environment:** Oracle 7.3, SunOS, and Power Builder 5.0.

**Description:**

This project was focused on developing a system called p.d.,q. for the use of insurance agencies when they contracted with individuals or corporate clients. This system helps in maintaining customer related data and policy data of each insurance company and linked the customer to the specific policy.

**Responsibilities:**

* Coded numerous PL/SQL packages, stored procedures and DB triggers.
* Preparation of test plans and documentation of test results.
* Backup and recovery of the database.
* Performance Tuning – Application and Database.
* As the QA facilitator was responsible for the quality of the deliverables on the project in addition to handing change management and version control activities.

**Client: GE Capital, India ODC November 1996 - November 1997**

**Role: Team Leader and DBA**

**MULTIDATA Conversion**

**Environment:** Oracle 7.3 and Solaris 2.5.

**Description:**

This project was undertaken to develop an application to be used by GEFA’s insurance agencies for migrating their historical data from an AS400 based flat file system to an Oracle RDBMS.

**Responsibilities:**

* Coded numerous PL/SQL packages, stored procedures and DB triggers.
* Preparation of test plans and documentation of test results.
* Backup and recovery of the database.
* DBA activities like creating the database, tables, user management, etc.