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Professional experience

Profile

Mr. Bernardini has over 30 years as an experienced professional developing versatile data warehouse/data mart designs and implementations for strategic client initiatives, including business analysis, database architecture/design/modeling, ETL architecture/foundation/development/delivery.

Specialties:
Industries -- retail, hospitality, financial, life sciences, telecom
ETL -- IBM Data Stage, Informatica, Ab Initio
Database Technologies -- Oracle, Teradata, Netezza, DB2

Employer History

04/2000 - To date

IBM, United States of America
Consultant
Implemented Data Integration projects for large BI applications for retail, financial services, telecommunications, and pharma clients as a consultant performing requirements, analysis, design, implementation roles using Oracle databases and AbInitio, DataStage, and Informatica ETL tools.

09/1996 - 04/2000

Sequent Computer, United States of America
Consultant
Consultant performing Business Intelligence and CRM applications for telecommunications client as data modeler and ETL developer.

08/1981 - 09/1996

Lockheed Martin, United States of America
Programmer/Analyst/Technical Lead
Developed and supported engineering applications for a large aerospace/defense contractor as an analyst, developer, and technical lead, specializing in developing enterprise applications, initiating a data warehouse practice, and supporting various customer-related contracts involving engineering applications.

Assignment History

02/2014 - 08/2015
19 months
Mail-order, online, and retail company
-- specializes in clothing and outdoor recreation equipment
Business Transformation BI Project
Project Description: Project Description: Design/ETL lead on BI transformation and Data Integration from JDA and SAP source applications to BI reporting tools using a modified Agile approach. Performed design lead role in multiple interfaces to JDA, Internal user files, and SAP 3rd party application. Used DataStage ETL tool, working with DB2 and Oracle databases. The major focus on the phase 1 assignment was leading the effort to move JDA forecast data into DSS reporting tables. The phase 2 assignment lead the effort to move SAP General Ledger data into DSS reporting tables.

11/2010 - 11/2013
37 months
Multinational retail company
-- operates a chain of discount department, grocery, and warehouse stores
GRS – Global Replenishment System
Project Description: Design/ETL lead on very large integration application. Performed design lead role in 1) multiple interfaces to JDA application and 2) performance enhancements to nightly application cycles. Used DataStage ETL tool, working with Oracle, Teradata, DB2 database technologies. The major focus on the phase 1 assignment was leading the effort to load 10 versions of Teradata tables to approximately 30 tables, with the largest loads processing 2 billion records nightly. The phase 2 assignment addressed overall system performance changes to the Datastage jobs being run in the nightly cycles, including enhancements to Oracle and Teradata databases, improvements to the Datastage environment, and streamlining Datastage individual jobs and stages, and was done using the Agile methodology.

10/2008 – 11/2010
26 months
American diversified hospitality company
-- manages and franchises a broad portfolio of hotels and related lodging facilities
Sales Reporting Warehouse (SRW)
Project Description: Led and managed ETL development of a Sales Reporting Data Warehouse and Marts using Informatica ETL tool with DB2 source and Netezza target databases; coordinated the activities of the 8 person off-shore team; coordinated and executed System, Integration, and Performance Tests; supported Production Conversion Runs; produced project documentation; conducted Knowledge Transfer of SRW system components with the Marriott Support team

10/2007 - 10/2008
13 months
World's largest aerospace company
-- Leading manufacturer of commercial jetliners and defense, space and security systems
Enterprise Financial Data Warehouse
Project Description: Contributed to the design and development for a large enterprise financial data warehouse for an aerospace and defense company. The application was developed using the Datastage ETL tool and supported with Oracle database procedures and Unix scripts. Was the ETL project lead and was responsible for the management of a four person development team, and with the oversight of the development of ETL source-target mappings involving 40+ interfaces.

05/2007 - 10/2007
6 months
American multinational clothing and accessories retailer
-- Offers clothing, accessories and personal care products for men, women and children
MDS Follow-on
Project Description: Delivered the design and development for enhancements to an existing large data mart and customer analytics application for a retail clothing company. The application was developed using the Datastage ETL tool and supported with Oracle database procedures and Unix scripts. Also developed and led the design team with design documents and application code for the Customer, Customer Merge and Initial Load subsystems.

11/2005 - 05/2007
19 months
Multinational pharmaceutical and biologics company
-- Provides portfolio of products for major disease areas including cancer, cardiovascular, gastrointestinal, infection, neuroscience, respiratory and inflammation
Cornerstone - Commercial Architecture

Project Description: Designed and developed a large CRM Business Intelligence application for a pharmaceutical company. The application was developed using the Informatica ETL tool and supported with Oracle database procedures and Unix scripts. Accomplishments included leadership of the development team the production of design documents, data model, and database administration, and oversight of the development team, both onshore and offshore, for the Integration Layer involving 60+ interfaces and the Operational Data Store.

05/2004 - 11/2005
19 months
American multinational clothing and accessories retailer
-- Offers clothing, accessories and personal care products for men, women and children
MDS - Marketing Database System
Project Description: Delivered the design and development for a large data mart and customer analytics application for a retail clothing company. The application was developed using the Data Stage ETL tool and supported with Oracle database procedures and Unix scripts. Also developed and led the design team with design documents and application code for the Customer, Customer Merge and Initial Load subsystems.

05/2003 - 05/2004
13 months
American bank holding company
-- specializes in credit cards, home loans, auto loans, banking and savings products
One View
Project Description: Delivered the development, design, and support for an enterprise wide data migration application for a financial services company. The application was developed using the Ab Initio ETL tool and supported with korn shell scripts.

08/2002 - 05/2003
10 months
Global food company
-- Provides consumer soups, baked snacks, and health beverages
Customer Improvement Project (CIP)
Project Description: Delivered the data model and data analysis support for a CPG application for a consumer products company, and developed the data model for the Oracle tables using the ERWIN modeling tool, and all associated design documents for the package software solution with enhancements.

03/2001 - 08/2002
18 months
Specialty retailer of home furnishings and gourmet cookware
-- Offers high-quality, stylish products for every room in the house
MMS - Modeling and Marketing System
Project Description: Delivered a large customer analytical modeling and DSS application for a mail order and retail company, developed the data model for the Oracle tables using the ERWIN modeling tool, developed the design for the ETL modules and the customer modeling application, and led the ETL and modeling application development using the Ab Initio tool.

04/2000 - 03/2001
12 months
Regional Telecommunications Company
-- Provides communications and data services to residential, business, governmental and wholesale customers
CuRT - Customer Reconciliation and Transformation
Project Description: Delivered a large Enterprise level Customer database for a telecommunications company by defining and implementing the processes required for extracting data from several legacy systems, householding the customer related data, transforming the data to meet the end-user and application business rules, and then loading the data into an Oracle database, and defining the householding business rules using the

Trillium tool and developing the data transformation rules using the Ab Initio ETL tool.

Key Skills

BI Data Analyst - defining data requirements, data mapping and transformation rules, householding rules, and data cleansing processes

BI system designer - analyzing business processes, defining technical and user requirements, and translating these requirements into system designs.

ETL Developer - coding transformation logic between source systems and target databases, implementing householding rules on customer related data, and coding business rule transformations. ETL tools used include DataStage, Informatica, Ab Initio. Database involved in sources/targets of ETL include Oracle, DB2, Teradata, Netezza.

Datamodeler - defining and documenting entity relationship diagrams and dimensional models, and providing logical and physical designs for database development. Data models developed using ERWIN modeling tool.

Database Administrator - defining and developing Oracle tables, indexes from data model to physical implementation

Key Courses and Training

o Attended numerous training sessions in data warehouse design and implementation from the Data Warehouse Institute, focusing in the areas of data quality, advanced data warehouse design with Ralph Kimball, optimizing DSS databases, building very large databases, and OLAP data modeling.
o Taken internal training in the areas of DSS Facilitation and Business Benefits Analysis for DSS systems

Education

Qualifications

Bachelor of Arts in Mathematics
Eastern Illinois University, United States of America, 1976

Languages

English Fluent