Mario Talavera

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DATA EXPERIENCE

Oracle
Knowledge Management -Core Team   2016 - now
- Data Model Manager for the Fusion Knowledge Management Product Suite. Enforcement of modeling standards and change management ensuring the highest quality and performance levels.
- Focused development of the Core Team's data-related tooling including data transformations, data migrators, data validation and testing, and real-time analytics processing.
- Ambassador of open source technologies such as Continuous Integration, SQL Notebooks (Zeppelin), data management tool (Liquibase) and build automation.

Fusion Applications -Business Intelligence   2011- 2015
- Created an Oracle OBIEE equivalent report suite to MicroStrategy reaching parity between suites.
- Integral member of data warehouse modeling and planning team.
- Established change management automation for warehouse modeling.
- Designed and implemented unit testing suite for new reports.
- Implemented test automation workflow for ETL jobs in Oracle Data Integrator (ODI) using continuous integration practices on a multi vendor (Oracle, MS, MySQL) database environment.
- Writing dedicated SQL suite of scripts for report inefficiencies root cause analysis and validation.

InQuira (Acquired by Oracle 2012)
Analytics Engineer   2009 - 2011
- MicroStrategy report development and support.
- Lead BI project build automation effort.
- Maintenance of custom Java ETL process.
- Database performance optimization for reporting suite.
- Did case study for traditional development versioning of MicroStrategy portion of Analytics.
- Did case study for custom installer for analytics using open source IzPack and Maven.
- Artifact documentation for conversion from home brewed ETL to Informatica.
- Designed, developed and maintained OLAP cube infrastructure for MicroStrategy reports.

Foreign Currency Exchange
Application Developer   2006 - 2008
- Designed and implemented fully customizable hierarchical permissions based security system.
- Designed and implemented dynamic menuing system based on user permissions.
- Development and integrations of enterprise banking software with third party vendors such as FedEx (Shipping), Department of Treasury (Office of Foreign Asset Control), Metavante (bank to bank integrations) and RSA (Federated Identity Management).
- Multiple currency ad hoc sql reporting for currency exchange rates trending valuated twice a day.

ERA Europe
Senior Database / Application Developer   **2004 - 2006**
- Developed an analytical suite for tracking, reporting and decision making using website traffic,
user visit patterns, property buying metrics and billing system modeled after Google Analytics for
more than 2000 real estate brokers.
- Responsible for the creation and management of REST and XML data transfer system for
real estate properties between various broker inventory software and one central property
management system.
- Designed and retroffied a multiple language infrastructure to enterprise real estate application.
- Database administration of a Microsoft SQL Server Cluster including Reporting Services.

Independent Contractor   **1999 - 2004**
- Database specialist in data modeling, planning and query performance tuning.
- Developed financing reporting suite for national photo development laboratory.
- Developed administration system for online photo-retrieval internet application.
- Choropleth visualization with Adobe Flash and Google Maps to interpret large amounts of data.
- Flash and Google Analytics integrations for national content delivery network (CDN).

EDUCATION

University Of Central Florida	Orlando, Florida
Bachelors Of Science, Civil Engineering	**1999**

SKILLS

Proficient:	SQL, PL-SQL, T-SQL, ANT, GIT, SVN
Familiar with:	Java, R, MongoDB, ElasticSearch, Logstash, AWS, C
Databases:	Oracle, MySQL, Microsoft SQL Server

PROJECTS

Data Pipelines with the ELK Stack
https://mtalavera.wordpress.com/2017/11/20/plantstation2-logging-with-logstash/

Kaggle Competition - Grupo Bimbo Inventory Demand
https://mtalavera.wordpress.com/2016/09/25/kaggle-bimbo-group-wrap-up/

Movie recommendation system
https://mtalavera.wordpress.com/category/movielens/