Client Name

Contact information

Summary of Qualifications

I am a Data Architect who designs strategies for complex enterprise-wide deployment, as well as leading data management, quality and migration initiatives that align with corporate governance and business goals. I believe strongly that data architecture provides insights into understanding data in a format that speaks to decision-makers, and I develop sound strategies and recommend optimal platforms for managing the data.

Career Highlights

- Created data strategy for IHG portal that simplified navigation, reduced training curve & enhanced customer engagement by unifying source data from Oracle, Teradata, & SaaS APIs, as well as addressing inconsistencies with data freshness
- Improved IHG's Enterprise Reference Data by retiring deprecated integrations, reducing redundant data sources, identifying data owners, defining processes & communicating changes enterprise-wide
- Developed blueprinting proofs of concept to inform business & technology roadmaps for CRM capabilities, resulting in recommendation of six "R" disposition
- Led 6-month customer MDM architecture initiative for Home Depot to identify data issues, root causes & remediation strategies by implementing master data management approach & collaborating with domain architects to define a simpler framework
- Partnered with architects on cloud strategy, evaluating Google GCP & Amazon AWS that resulted in recommendations for transactional, operational, & analytic workloads, as well as migration strategies
- Re-engineered Home Depot's data modeling process from Waterfall to Agile methodology that reduced timeframe to complete work to 2-week sprints, with 50% of tasks completed in 1 business day

Professional Experience

Employer Name   2016 - present
Fellow Architect
(promoted from Enterprise Data Architect)

- Develop architecture for partner integrations by defining reusable integration artifacts, integration patterns, business requirements for each entity
- Define architecture for privacy, risk mitigation & compliance initiatives related to General Data Protection Regulation (GDPR), California Consumer Privacy Act (CCPA), & China Internet Security Law
- Evaluate metadata catalog tools to support cloud migration & compliance & regulatory requirements
- Implement Agile processes for Data & Analytics team
- Evaluate technology stack (Google Big Query, Google Spanner, AWS RDS, AWS Aurora, CockroachDB, Cassandra) for migration from private to public cloud
- Collaborated with GCP Architect on data lifecycle implementation & integration approach
- Develop data architecture for operational & analytical IT initiatives to span business domains (procurement, customer analytics, marketing data & competitive analysis)

Employer Name   2002 - 2016
Senior Enterprise Architect
(promoted 4 times to positions of increasing scope & responsibility)

- Managed 15 data modelers (including 3 Principal Data Modelers) to support IT, transactional & analytic projects through data modeling, data profiling & data mapping
- Defined enterprise data architectural standards & principles
- Developed strategy to integrate vendor & product master data
- Represented Data Architecture practice at review boards to ensure new applications adhered to defined data standards
- Implemented data architecture standards for Cassandra & Hadoop, defined NoSQL metadata standards & defined directory structure for Hadoop
- Created proof of concept graph database to capture item master data
- Migrated from Erwin to ER Studio Data Architect tool; migrated over 500 models, 25K entities & 450K elements from Erwin to ER Studio
- Collaborated with Store Domain Architect to define pub/sub architecture to distribute centralized data to 2K store locations
- Deployed data design to support migration to SAP & implementation of logistics management systems
- Defined 3-year Product Pricing Roadmap to consolidate special order and online products and align pricing across all channels to eliminate pricing inconsistencies and improve customer experience

Certifications

ITIL Foundation, SAFe Agilist

Software

Embarcadero ER/Studio, Erwin, ModelMart, CA Arzos, MS Office, MS Project, SQL Assistant, Oracle SQL Developer, QMF, MVS/JCL, ISPF, Outlook, Confluence, Jira, Rally

Database Management Systems

z/OS DB2, LUW DB2, Teradata, SQL Server, Oracle, Informix, Hadoop Hive, Big Query, Cassandra, Titan

Education

University of Virginia
B.S. – Applied Mathematics, minor - Economics