

ENTERPRISE and DATA ARCHITECT

Extensive expertise setting technology strategy and defining domain and project solution architectures with primary focus on data and integration capabilities of large organizations. Proven ability to evaluate and implement leading-edge technologies in highly visible situations of major impact to business across many domains. Effective leader, communicator and team member working with a variety of executive, technology and business stakeholders. Key areas of expertise include:

TOGAF and Zachman	Data Architecture	Master Data Management
Domain Driven Design	Integration Architecture	Customer Solutions
SAFe Agile	AWS Solution Architect	Microservices
Telecommunication	Technology Research	Financial Services

PROFESSIONAL EXPERIENCE

Capital One, McLean, VA

2011-2017

Enterprise Customer Architect owning target customer master data management and analytics strategy and architecture

- Performed build versus buy analysis for establishing “golden” record and migration of solution to AWS with alternatives of Informatica, IBM, Oracle and Reltio
- Defined solution targets for enterprise customer profile including contact points and preferences
- Facilitated internal build solution architecture for migration of legacy solution of IBM Initiate and MVS DB2 to AWS ECS, Java, Spring, ActiveMQ and PostgreSQL based microservices
- Mentored development team in the transition from mainframe technology to Java based technologies
- Contributed to customer solution architectures across credit card, retail, commercial, home and auto loans lines of businesses, products and applications
- Registry application scope involved all customer digital interactions with enterprise’s highest transactions per second
- Collaborated with risk management architect to define initial solution architecture for enterprise KYC and AML project to meet regulatory requirements
- Developed target architecture and roadmap for customer integration for ING and HSBC acquisitions
- Coached summer intern to create proof of concept for customer master file implementation in Neo4J graph database

Enterprise Data Architect contributing to enterprise data strategy and architectures for evolution from legacy solutions to cloud big and fast data technologies. Key projects were:

- Researched and drafted enterprise data organization microservice architecture based on Docker and AWS services
- Led enterprise AWS S3 data lake architecture for file storage and compute using Akka and Lightbend microservices
- Engaged in solution integration, database, DevOps and TechOps technology choices focused on open and inner source products to replace legacy technologies
- Architected solution for protecting clear text use of NPI and PCI sensitive data
- Led enterprise selection of PostgreSQL as preferred open source relational database
- Revised legacy application architecture artifact template to reflect current system development practices

Retail Bank Data Architect aligning division solutions with enterprise data architecture. Activities included:

- Developed and socialized target Retail Bank data architecture and solution targets for AWS migration
- Collaborated with delivery teams to define solution architectures for key customer, marketing, fraud, and data analyst and scientist projects
- Sample solution is data producer writes to Kafka which is transformed using NiFi with storage of S3, Redshift and Snowflake and then consumed by a variety of technologies including Spark, Databricks and other business intelligence and analytic tools

Enterprise Architect defining processes, artifacts and tool recommendations. Developed solution architecture processes and artifacts for projects to align with enterprise architecture

Pitney Bowes, Stamford CT**2009-2010**

Enterprise Data Architect engaged in enterprise information strategy and implementation of IBM's InfoSphere's business glossary, data governance, data quality, metadata management and data integration solutions. Collaborated on master data management tools selection and architecture for Salesforce.com and SAP consolidation project

Sprint, Overland Park KS**1988-2009**

Enterprise Data & Integration Architect defining enterprise strategies and target architectures. Major highlights are:

- R&D for database, business intelligence, data quality, integration, metadata management and warehouse technologies
- Led selection of IBM's WebSphere Customer Center as master data management (MDM) enterprise solution
- Led enterprise canonical data model development of key business areas and granted patent for metadata repository prototype for integration component's mappings to model
- Facilitated new enterprise architecture blueprint and governance processes
- Primary data architect performing weekly quality reviews of 8-10 major enterprise projects a week
- Facilitated application rationalization roadmaps for Sprint Nextel merger synergies
- Led evaluation of Java J2EE application server technology.
- Member of Architecture Center of Excellence team for strategic IT direction
- Leadership for system development methodology and software development tools

Solution and Application Architect leading and developing architecture for large projects including:

- Defined customer, products and identity management solution architecture for start-up subsidiary
- Architecture impact for the PeopleSoft consolidation for Nextel merger projects
- Led integration architecture for major customer care project using Siebel Universal Customer Master (UCM)
- Created solution architecture of local division network engineering Circuit to Packet modernization project
- Owned Information Broker architecture for service based data access solution

Application Development Manager of large development teams for customer, order, trouble administration, financial application, warehouse and invoicing projects mobile, local and long-distance divisions

Other

- Cap Gemini consultant for Northwester Bell service order entry and Caterpillar's manufacturing projects
- Computer operations supervisor of a large AT&T data center
- Technical leader, analyst, designer, and developer for AT&T network management systems

EDUCATION

BS in Computer Science from Kansas State University and MBA from The University of Kansas

TECHNOLOGY

Ab Initio, Amazon (AWS), Business Process Management (BPM), Cloudera, Confluence, Databricks, DB2, DevOps, Eclipse, ELK, ERwin, GitHub, Hadoop, HDFS, Hive, IBM, Ignite, Initiate, Java, JIRA, JSON, Kafka, MDM, MongoDB, MQ, OData, Neo4J, NiFi, NoSQL, Oracle, PostgreSQL, Rational, Redhat, Redshift, Redis, REST API, Salesforce, Service Oriented Architecture (SOA), Spark, Splunk, Snowflake, Spring, SQL, Teradata, UML, XML