

Professional Summary

Startup and execution minded hands-on senior IT leader with global IT implementations experience with Multi-System/Multi-Vendor environments in matrix organizations. Proven track record in analyzing business needs, defining product vision, building business plans, creating IT strategy, technology architecture, building international IT organizations and driving the execution of goals and objectives.

Supervisory and managerial experience with responsibility of direct reports including staff management, mentoring, task management, career coaching and performance development.

Experience in working with startups to large clients in areas including but not limited to Big Data systems, Cloud, BI and Analytics, Data Lakes ,ERP systems, Enterprise Portal, CRM, Distributed Systems, Custom Applications, Real-time systems, DevOps etc.

Professional Experience (Selected Work)

Clarity Insights – Principal

Nov 2016 – present

Digital Media Marketing/Lead Generation Client

- Conducted interviews across the organization from developers through all levels of senior management including the CEO to understand their existing pain points, gaps, product and business vision
- Documented business cases, analyzed gaps and issues across existing Processes, Architecture and Data.
- Provided a comprehensive short term and long term technology roadmap
- Implemented components of a high-volume/real time platform architecture using Kinesis Streams, DynamoDB, DynamoDB Streams, Lambda, S3 etc
- Architected and implemented components of enterprise data lake in AWS S3.
- Designed, tuned and built Redshift data warehouse cluster based on best practices for node configuration, query usage, query speed as recommended by AWS.
- Fully responsible in creating a new cloud based solution architecture with cutting edge technologies. Architecture components include but not limited to the following
 - Process/Ingest high volume real time streaming data
 - One time migration of large data (>100TB) to Data Lake
 - Data Lake Architecture
 - ETL
 - Enterprise Data Warehouse
 - Enterprise Portal and Reporting Solution
 - Consumer Life Journey using a Graph Database
- Created AWS Data Pipelines to configure data loads from DynamoDB to S3 to into Redshift Technologies used – SQL, Python, Java, AWS S3, Glacier, DynamoDB, Redshift and Redshift Spectrum, Kinesis Streams/Apache Kafka, Kinesis Firehose, Kinesis Analytics, EMR (Spark, Hive), Athena, Data Pipeline, AWS Machine Learning, RDS (MySQL), AWS Glue (ETL), Neo4J/DataStax/Neptune (Graph Database). Github, Chef, Terraform, Jenkins, Tableau

Large Healthcare Client

- Planned and Architected large enterprise data warehouse enhancement and migration to

cloud (AWS). Built enterprise-scale data lake for business intelligence purposes, migrating from legacy relational databases and warehousing to a cloud-based solution.

- Provided multiple architectural solution options to meet client's near term and long term business needs
- Involved in reverse engineering the undocumented legacy code and came up with a comprehensive mapping document
- Responsible for one time data migration from on-premises data center to cloud. Technologies used include AWS Snowball, Schema Conversion Tool and Data Migration Services.
- Provided estimates for the entire infrastructure setup in AWS with various payment options
- Involved in all stages of data collection, storage, processing, analysis and reporting
- Provisioned, installed and configured all services in the cloud including Talend Big Data, AWS EMR (Hive, Scoop, Spark, Hadoop), S3, Redshift, EC2, VPC, AWS Lambda, SFTP, IAM policies
- Implemented a POC to demonstrated end-to-end data flow which includes building an enterprise data lake, data ingestion into the cloud, data transformation and loading into Redshift data warehouse.
- Automated processes with continuous integration and deployment tools like Jenkins for deployment and build management system
- Developed mappings, sessions, and workflows to extract, validate, and transform data per the business rules using Talend
- Responsible for one time data migration from on-premises data center to cloud using AWS Snowball, Data Migration Service, and Schema Conversion tool.

Technologies Used – SQL, Java, SQL, AWS S3, Redshift, Lambda, EMR (Hive, Scoop, Spark), EC2, VPC, IAM, Data Migration Service, Schema Conversion Tool, Snowball, SAP Business Objects, Tableau, Talend Big Data, GitLab, Logstash, Chef, Nexus, Jenkins

Digital Analyst Team LLC (now Uptrend Analytics) Director Platform Engineering

May 2016 – Nov 2016

Digital Media and Analytics Company – Multiple Projects

- Lead a team of Architects and Project Managers with inspirational leadership while providing innovative enterprise solutions to transition from externally managed SaaS platforms to in-house applications.
- Spearheaded a global 30+ IT Project team on multiple, concurrent projects supporting multiple clients.
- Created a roadmap to move on premises IT infrastructure to cloud, Amazon Web Service (AWS).
- Created a technology plan to build an integrated Business Intelligence and Analytics engine platform with technologies including Hadoop, Pentaho, AWS, Java, Python, Tableau, Redshift, Node JS and other open source technologies.
- Architected a platform that consumes data from 100s of sources and builds datasets required analytics consumption. Designed and implemented the key components of the platform to perform real-time ingestion of the events from multiple data sources both in structured and unstructured form. Platform provided a near real-time view into the marketing campaign

- performance across multiple performance media platforms.
- Responsible for system operations, operational security, and application development teams while migrating company's traditional IT on-premises assets to the AWS Cloud.
- Architected and lead the implementation of Customer Segmentation product for a franchised based business model.
- Architected and lead the implementation of analytics and visualization tools for digital media agencies catering to Automotive clients only
- Implemented multiple POCs to bring customers onboard to adapt to next generation analytics platform
- Managed product development / implementation using AWS cloud infrastructure.
- Provided architecture and worked with development team, helped team in selecting AWS services, solution design, cost estimation, review / approve design.

Technologies Used – SQL, Java, SQL, AWS S3, RDS, Kinesis Streams, Lambda, EMR, EC2, VPC, IAM, Tableau, Cloudera, D3, JavaScript, Java, Pentaho Kettle, Redshift, Github, Python/R

Xerox Business Services (now Conduent) Jun 2007 – May 2016 Senior Manager

Predictive Analytics Project

- Acted as a chief architect, leading a team of business analysts, developers and testers to understand, document and implement client requirements.
- Responsible to fully architect and deploy cloud infrastructure using cost effective strategies (On Demand vs. Spot, Storage Strategies for S3 etc.).
- Used Amazon Web Services (EC2s, EMR, S3, RDS, CloudWatch, IAM), D3, Splunk, Python, R, Java and other Big Data technologies.
- Ensured data is encrypted both in motion and at rest and adhered to other security guidelines set by corporate security.
- Engaged with the client and other key stakeholders on a timely basis.
- Documented and communicated risks, issues, statuses to the project team.

Consumer Goods Client - Divestiture Project

- Worked on deal pursuit with sales team, created technology implementation plan for a cloud based BPaaS (Business Process as a Service) implementation for the client.
- Engaged client counterparts from planning phase through the end of the initiative.
- Managed a team of 12 resources for this global implementation.
- Deployed custom Portal application with over 12 thousand users.
- Cloud based integrations include SAP SuccessFactors, ADP Payroll, Content Management systems, Call Center Tools (chat, document, case management), Business Intelligence, Analytics and Reporting Tools.
- Responsible for validating end-to-end user experience process from a call center standpoint.

Xerox SynchRO - Software Engineering, Senior Manager

Mid-Market SaaS Initiative – Led a workstream to implement a major product as part of Xerox's effort to win Mid to Small size customers. Architected and developed this cloud based application

from ground up. (Java, J2EE, Spring, Oracle, Tomcat, Content Management Systems, Multicloud environment)

Xerox Relocation and Assignment Services (RAS) group – Architect and Advisor to CTO

- Move to Cloud Project - Lead a crucial project to move existing technology platform to Cloud (Amazon Web Services).
- Assessed and evaluated multiple vendors, reviewed product roadmaps and worked with vendors to meet Xerox requirements (functional and security)
- Managed the entire migration from On-Premises setup to Amazon Web Services.
- Managed all IT issues related to product development, staffing and other IT administrative issues.
- Reviewed and responded to RFPs from prospective clients.
- Reviewed and improved RAS IT business processes.

Global Pharmaceutical Giant - System Consulting Senior Manager

- Part of multiple projects (Business Process Outsourcing) on a global scale involving building Enterprise Portals, ERP Implementations and Upgrades, system integrations, third party integrations, Mergers and Acquisitions.
- Involved in deal pursuits, built strong relationships based on trust with client counterparts at various levels, which lead to an extremely successful partnership over 7-year account cycle.
- Engaged and fully responsible for technology and architecture decisions, and software release plan, hardware provisioning and data center migration, disaster recovery and business continuity plan.
- Managed over 20 resources (including Business Analysts, Managers, Developers) in various phases to support Self Service applications, ERP application implementation and upgrades, Service Center Tools.
- Supported Day-To-Day Operations, including Hire-To-Retire Functions across various systems
- Responsible for SLAs and KPIs, SLAs having a 24x7 continuous service level agreement of 100%.

Major Airline Merger project – Technology Transition Lead

- Responsibility for Technical Conversion of employee data from one legacy system to the other.
- Served as a liaison to client business community, to ensure that its needs were fully understood by the project team.
- Determined technical team project approach, staffing, responsibilities, and schedule.
- Defined technical team member roles and expectations, and ensure timely feedback. Ensured that project resources receive any necessary training and are used effectively.
- Managed technical team project schedule, resources, budget, issues, expectations and external forces.

Large Pharmaceutical Company – Technical Project Manager

- Responsible for migration of all key applications from client Data Center to Xerox Data center.
- Worked with infrastructure team to provision hardware, vendor licensing and lead the solution architecture.
- Managed 5 Team Leads and 30 Team Members to deliver Personnel Administration, Payroll & Self-Service Functions as part of Global HR Transformation Project.

- Delivered Custom Employee/Manager/HR Self-Service Portal built on PeopleSoft Platform with integration across HR systems like Benefits, Performance, Learning, Compensation, Tuition and Career Management.

Deloitte Consulting

Feb 2004 – Aug 2006

Senior Consultant

- Established and managed Enterprise Application Integration (EAI) Center of Excellence for multiple clients.
- Worked on multiple technology implementations as an Architect, Business Analyst, Project Manager and as a Developer.
- Provided Technology Strategy, Roadmaps, Vision and Target Architectures for major corporations including CapitalOne, Eli Lilly, Blue Cross Blue Shield, Hewlett Packard, Agilent Technologies, Aetna, Ceridian, HP etc.
- Defined requirements for skilled resources, identified appropriate internal candidates and built those resource teams to meet the business requirements for successful delivery of the related projects.
- Identified resource gaps and provide training for skills enhancement, realign personnel to match their skill strengths with requirements, source new practitioners with needed skillsets.

ShopNBC

May 2003 – Feb 2004

Consultant, EAI Architect, Java Developer - eCommerce

- Pursued EAI initiative to address its integration needs and optimize the information flow between its enterprise systems.
- Provided overall system architecture and developed integration components using Java, JMS, Tibco BusinessWorks etc.

Greenline Financial Technologies (part owner)

Feb 2001 – May 2003

Lead Java Developer, Financial Systems Analyst

VeriFIX – FIX Applications Testing System

- ***Part of the startup, involved from ideation to realization of the product.***
- Developed this flagship product from ground up.
- Worked with sales team to market the VeriFIX product, presented at conferences, trade shows, and individual presentations.
- Co-Authoring CertiFix scenario based testing books for various versions of FIX (Financial Information Exchange) Protocol, which provided accelerated approach to Certify Traders, Brokers and other financial institutions to trade with Chicago Mercantile Exchange.

Futures Automated Trading System

- Acted as technical lead in the design and development of an exchange simulation component to back-test Automated Trading System (ATS) and determine system profitability.

Market Data Display System (MDDS)

- Provided solution for client's internal quote dissemination needs. The solution addressed the

inadequacies of the existing Quote Display System. MDDS drives trading floor wallboards, Closed Circuit Television (CCTV) channels, and all the Overhead Monitoring Systems (OHMS).

- Involved in technical design, architecture, requirement gathering and development.
- Worked with Trading floor operations / floor traders /Market Reporters to gather trading floor specific business requirements.

Architect/Developer – skylinemusicgear.com

- Built the entire eCommerce site based on Java based web technologies

Anixter International, Inc.

Jun 2000 – Feb 2001

Consultant, Java Developer – eCommerce

- Built Order Entry and Security Modules for www.eanixter.com eCommerce site, which allowed the client to conduct business electronically. eAnixter enabled client to access timely information to minimize time and effort spent on key aspects of the procurement cycles features such as Order Entry, Order Tracking, Viewing reports etc.

Chicago Police Department

Sep 1999 – Jan 2000

Programmer Analyst, Intern

- Worked as a software developer within the Research and Development division to modify and maintain department's existing critical web-based applications.

Skills

- Languages - Java, JavaScript, Python, SQL, C/C++
- Cloud Computing (Amazon Web Services), Big Data – Hadoop ecosystem including Apache Spark, Hive, HDFS, Machine Learning
- Oracle, AS 400, Mainframe, PeopleSoft, SAP, MongoDB, TIBCO, IBM WebSphere, Apache Tomcat, Tableau, Business Objects

Other Skills

- Algorithmic Trading, Trading systems, Market Data Systems, Google SEO, Paid Search, Lead Generation, SEM, Paid Search, Lead Generation
- Product Management, Software Development and Architecture
- Technology Consulting IT Strategy, Sales Support
- Vendor Evaluation and Management
- Global Technical Organization Management, Mentoring and Managing large teams
- Service Delivery, Operational Governance and Support, Metrics and Continuous, Improvement, Contractual and Budget Management,
- Startup and Entrepreneurial Experience
- SDLC, Agile/Scrum, Project Management

Professional Certifications and Awards

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| <ul style="list-style-type: none">• Amazon Web Services – Certified Solutions Architect - Associate• Amazon Web Services – Certified Developer – Associate• HDP Certified Spark Developer (HDPCD:Spark)• Certified Professional Scrum Master – PSM I - (Scrum.Org)• Scrum Master Affiliated Certification (SMAC)• Scrum Coach Affiliated Certification (SCAC) | Other Training and Certifications <ul style="list-style-type: none">• Amazon Alexa and Natural Language Processing• Big Data, Spark, Scala, MapReduce, JavaScript – Full stack• Machine Learning• Deep Learning |
|---|---|
- Three-time winner of prestigious Xerox Hustle Award for exceptional performance

Education

- Master of Science in Computer Science, Illinois Institute of Technology
- Bachelors in Chemical Engineering