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SUMMARY

Strong technical lead, with 18+ years of IT industry experience both in India and the United States. Extensive experience in the areas of data strategy, data architecture, data governance, data protection, data privacy, product management, and technical leadership. Areas of business experience include IIoT, Telecom, Retail, Pharmaceutical, Life Sciences, and Information Security. Seasoned professional with extensive experience in transactional systems, DW/BI and data lake environments.

EXPERIENCE

Ford Motor Corp

Sep 2021 till Sep 2022

Role: Enterprise Architect (Solutions Architect - Data)

Ford's eCommerce platform provides shop and buy experience to global customers. The enterprise architecture team is responsible for providing solutions across product teams as various new features are implemented to the existing platform. The team evaluates various technology trends and propose solutions to enhance the existing stack.

- Provide architectural and design leadership to eCommerce platform
- Responsible for solutioning and migrating hosted payment solution across 19 EU markets
- Leading a team of 4 product development teams across 2 markets
- Defining data consumption patterns, data mappings and metadata dictionaries
- Define data governance and strategy to enable data lifecycle management
- Providing technical thought leadership

Environment: SAP eCommerce Platform, AEM, Google Cloud Platform, Bluesnap, Stripe (PSPs)

Deloitte, USA

Aug 2019 till Sep 2021

Role: Lead Architect & Risk Advisory Manager

Advisory is Deloitte's financial and risk advisory group. The group provides cyber risk and advisory services and helps clients manage their strategic, financial, operational, technological, privacy and regulatory risk to maximize enterprise value while mitigating the risk related to data assets. As part of this group, I have led teams on data governance, risk and privacy for modern data platforms.

- Led a team of 4 data security engineers
- Redesigned data lake to address data access, governance and privacy challenges
- Defined various product architectures, leveraging enterprise and 3rd party data.
- Enabled distributed data governance for cross-functional teams in a hybrid cloud environment.
- Designed differential privacy, adaptive governance to handle PII, PHI data for gig workers.
- Implemented data protection in GCP environment using Google DLP API, FHIR API
- Responsible for team management, hiring, performance reviews, and appraisals

Environment: AWS Data Lake, Data Governance Framework, GCP DLP API, FHIR API

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Honeywell International Inc., USA

Aug 2017 till Jun 2019

Role: *Data Architect*

Data Strategy team is a Center of Excellence group, a part of Honeywell Connected Enterprise. We collaborate with Honeywell business groups and their business units for monetizing their data. The group helps identify opportunities, create new products and provides actionable insights.

- Led multiple teams consisting of data scientists, data engineers and data analysts
- Architected and designed solutions by integrating IoT with domain specific third-party data
- Managed business and technical metadata and cataloged data stores
- Designed data pipelines for data lake aiming for higher data quality
- Defined data standards and best practices to cater to various data ingestion scenarios
- Partnered with external SBU teams to enable self-service data analytics
- Leveraged Collibra and Waterline data as tools for governing data
- Collaborated with the legal department on implementing the GDPR framework
- Designed and administered SecOps tool implementation to protect sensitive data

Environment: *Hortonworks HDP (HDFS, Hive, Spark), Apache NiFi, MS SQL Server, MS Azure Data Catalog, GDPR, Kylo, Paxata, Alteryx, Collibra, Waterline, DataGuise.*

Accenture, USA

May 2016 - Aug 2017

Role: *Lead Technical Architect*

Fusion, is a Lash Group (an AmerisourceBergen company) technology and business transformation initiative. The project aims to revamp the entire ecosystem of tools and technologies to address business bottlenecks. The system is designed to be a flexible, scalable and multi-tenant architecture to handle large volumes of data.

- Led a data architecture team of 13 engineers.
- Designed and implemented data ingestion techniques for heterogeneous structures.
- Led teams to implement data stores on Hive.
- Responsible for reviewing and proposing optimizations for process flows.
- Integrated with Oracle 12c and Salesforce for consumption by downstream applications.

Environment: *Cloudera CDH 5.5 (HDFS, Hive), Informatica BDE, Oracle 12c, Salesforce CRM, EMC Isilon, Qlikview*

Accenture, India

May 2013 - May 2016

Role: Lead Architect

Big Data Center of Excellence Group is a technology horizontal providing big data solutions across business units spanning four global regions. This group defined roadmaps for the business units and supported their big data vision.

- Led a team of 10 engineers in responding to RFPs, delivering proof of concepts and big data solutions for finance and media clients.
- Architected media analytics platform to foster organic viewership growth (linear and digital TV).
- Responsible for technical evaluation of various MPP appliances, in-memory analytics, big data vendors and visualization tools.
- Internal SME on Amazon Redshift and Hadoop projects; mentored resources on Amazon Redshift, Scala and Spark frameworks.
- Evaluated and published a study on Cloudera Navigator and Apache Atlas.

Environment: Big data stack (Hadoop, Hive, Spark, MapReduce, Cloudera Navigator, Atlas), Talend, Amazon Redshift, *Big data MPP appliances like Aster, Vertica, IBM BigInsights and Greenplum*

Accenture, India

Aug 2010 - May 2013

Role: Data Architect

Data Architecture team catered to database management and project delivery for the client. Responsible for Data Analysis, Data Modeling, and Data Integration. Formulated and reviewed data management standards, data retention, and archival policies.

- Formulated strategy to handle PII data across systems to comply with the data privacy policies.
- Designed and implemented eDiscovery of employee data for enterprise legal teams.
- Contributed extensively to the Data Governance team in defining enterprise level policies.
- Designed and maintained data models for new and existing applications.

Environment: Power Designer Data Modeler, Oracle 11g, Teradata.

Virtusa India Pvt. Ltd, India

Dec 2009 - Aug 2010

Role: Tech Lead, Analyst, Designer

The system is the core to the network & services inventory, which over time has become so complex with major chunk of business logic written in PL/SQL. Interdependency among various components of the system is also making the system difficult to maintain and is consuming too much of resources. Major goal of the project is to understand the business system and redesign and re-architect the system for optimal performance and make the system efficient, scalable & simple.

- Analyzed existing data model, collected statistics to identify performance bottlenecks.
- Customized the SID data model from TM Forum.
- Collaborated with chief architect in collecting business requirements and gave suggestions.
- Lead DB team and recommended improvements to the system for quick benefits.
- Gap analysis to check if necessary data is captured, used by outbound interface systems.

Environment: Oracle 9i, My SQL Workbench, OWB, Java.

Tata Consultancy Services, India

Feb 2008 - Jun 2009

Role: Systems Analyst, Information Security Analyst

The client is among large financial corporations in the USA, having product ranging from financial planning to Annuities. The company has got various types of applications ranging desktop to Mainframes. The goal of the project is to provide the client with a central policy mechanism to be implemented in the organization and to have a single point authorization using RBAC methodology.

- Analyzed the requirements and designed the data model to capture the data.
- Baselined complete data for various applications. (SOX critical and non-SOX critical)
- Closely worked with client in collecting requirements and gave suggestions.
- Participated in various meetings with business and application owners.
- Developed various reports and forms to automate data collection.
- Administered KM portal at the account level, worked as a freelance reporter, journalist.

Environment: XACML, MS-Access forms and reports

Tata Consultancy Services, India

Dec 2005 - Dec 2007

Role: Team Member, DB Developer

ICOMS is an application used to compute Incentives and Commissions payable to the channel executives of TTSL. The major goal of ICOMS is to reduce the manual intervention, while computing the commission payouts in a flexible and reliable way, for circles with different business needs and configurations. ICOMS significantly catered various business needs catering to highly complex requirements of the customer.

- Analyzed the requirements and developed various features in the system like POD (Proof Of Delivery).
- Participated in client meetings for requirements collection.
- Involved in the development of nationalized commission structure and suggested improvements.
- Responsible for the development of Delhi requirements CR, which was appreciated by client.
- Information Security Coordinator for the project.
- Actively done team management and participated in quality related activities.
- Participated in the Supporting activities and commission runs.
- Being internal auditor, audited a couple of projects on CMMI process.
- Was a fire warden for the block, coordinated a couple of mock fire drills.

Environment: Oracle 8i, Visual basic 6.0, UNIX, Windows XP, Version control using ClearCase.

Tata Consultancy Services, India
Role: Team Member, Analyst and Designer

Jul 2005 - Dec 2005

Telcordia's IN system is a prepaid telecom provisioning system used to provide telecom services to the prepaid customer segment. With vast number of interfaces and services provided by the Telcordia system, the company has to customize them to cater its needs. The final system has to be in sync with the services provided by the existing IN system from Alcatel.

- Took part in Requirement collection, Analysis and Design of the AMD module.
- Contributed to the design of the CRM system and helped the other associates in the analysis phase.
- Involved in the requirement collection and service level agreement meetings with the Telcordia vendor team.
- Analyzed the functionality of existing Alcatel system so as to integrate the customized Telcordia IN system with the Alcatel IN.
- Participated in preparing design documents and developing the necessary knowledge base to the team.

Environment: CORBA, Oracle 8i, Struts, Windows XP.

Tata Consultancy Services, India
Role: ETL Interface Developer

Dec 2004 - Jul 2005

Niku is an ERP product framework used to provide Enterprise Related data analysis and reporting. Developed various finance related reports to BT and its clients. Customized the Niku environment and participated in its migration to Clarity. Worked on Actuate and developed ETL scripts and interfaces to extract data and populate data in the reporting servers for the reporting purpose. Developed knowledgebase by documenting known issues and lessons learnt. Extended support to the team in grooming the new developers.

- Participated in the analysis of the Niku tool.
- Worked on XOG tool for migration of Niku environment to Clarity.
- Analyzed and developed the Interfaces and ETL Scripts.
- Responsible for development of Actuate reports and their deployment.
- Participated in teleconferences with the client and contributed a major part in analyzing the requirements.

Environment: Niku Framework, Oracle 8i, Actuate reporting, Windows XP, VSS Version control.

Injury Details Integration is a project used to track the Injury details of a person insured with USAA (automobile insurance). The details of the injury, its cause and other details are captured in the system and submitted for the verification of the concerned authority (underwriters) to get the initial study to get the claim sanctioned.

- Participated in enhancing server scripts; took part in unit, integration and system testing of components.
- Responsible for testing and maintaining the server-side scripts.
- Extensively participated in testing various business scenarios and prepared test cases.
- Participated in various client meetings and learnt interactivity among the modules.

Environment: MasterCraft™ framework, HSL, JCL, QPP.

EDUCATION

Bachelor of Engineering, Computer Science & Information Technology, ASR College of Engineering, Affiliated to J.N.T. University, Hyderabad

CERTIFICATIONS

- EMC Certified on "Data Lakes for Big Data".
- EA Certified Enterprise Architect.
- Google Certified on "Digital Analytics Fundamentals"
- IBM Certified "Tivoli Identity Manager Deployment Professional"
- AWS Certified Solutions Architect - associate (expired 04/22)