Solai Srinivasan

US Healthcare | IT App Development, Support | Data Modeling & Architecture | Leadership

Career Summary

- Highly accomplished **Hands-on** IT professional with 22 Years of multifaceted experience in IT application development, support, architecture, project management, System Analysis, Application Integration, team management, mentorship, and knowledge management.
- 13 years of experience in leading the US healthcare solutions - TriZetto Facets, UHG suite of products, and Anthem suite of products in Enrollment, Billing, Payment, and Financial Transactions.
- 12 Years of experience in performance tuning of Stored Procedures, real-time tuning, system tuning in Sybase Database around TriZetto Facets Batches and healthcare applications
- 9 years of data modeling and data architecture experience in defining requirements, planning, and implementing data structures at the enterprise level using traditional/SQL platforms.
- 3 years of data modeling and data architecture using NO SQL platforms such as Arango DB, neo4j, Snowflake.
- 12+ years of International experience (US, Singapore).
- Lead and directed cross-functional and cultural teams using interactive and motivational leadership
- Very Good Hands on building traditional data warehouses using Kimball Modeling.
- Very good conceptualization of modern data platforms (Data Lake, Data Warehouse, Data Lakehouse) using Azure, and snowflake clouds.
- Real-time Master Data Management implementation using traditional and Graph databases.

Accomplishments

- Created Azure based lake-house POC with visualization for US healthcare Pricing Transparency rule that won the deal. [2022]
- Created multi-model data structure POC [using Arango DB] for Europe based healthcare requirements as part of RFP, that won $$ deal. [2021 - 2022]
- Researched data patterns for US Payer, Provider and Clinical areas. [2018-Present]
    - Generating POCs using modern data-patterns - columnar store (Cassandra), graph DB (neo4J), multi-model store (Arango DB), document-store (MongoDB) for modernization and legacy migration of Customer, Enrollment, and Billing Applications (Anthem - US Healthcare) [2018 – Present]
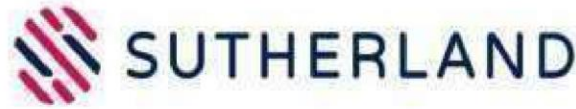   - Created data solution POCs that resulted in multi-million $$ projects [RFPs]; Azure, Snowflake data-platforms
Implemented end-to-end data warehouse Operational Data Store (ODS on top of Oracle Revenue Management and Billing (ORMB) (Oracle12c) (Anthem - US Healthcare) [Star Schema & Snowflake Schema] [2018-2020]
- Created Graph & multi-model data-model POCs that solved integration and performance issues resulted in saving $$ [2018-2020] [US Payer – Platform Modernization – that dealt with hierarchical data with Kafka Implementation]
- Implemented end-to-end architecture and design concerning TriZetto Facets, HIPAA 834, 820 and optimization solutions for small and mid-range US healthcare clients [2013-2018]
    - Provided claims work-flow strategy resulted in bagging 10mn USD project. [2018]
    - Created and sold Facets reporting solutions using Microsoft Reporting Services
    - Created and sold enrollment data store for various US healthcare clients. (CMS enrollment and reconciliation) (HIPAA 834) [2013-2018]

- **Bagged best leadership award in 2012 from United Health Group, India For automation initiatives in Facets area (500 USD + 10K CPU hours). [2011-2013] [Production Support]**
- **Bagged best project Manager award in 2011 from United Health Group, India for cost savings initiatives in Facets world. [2011-2013] [Production Support]**
- Architectural changes for automation of enrollment for Facets batches using Oracle BPM suite (Automated predictability) [2007-2010]
- Performance tuning of Sybase stored procedures in production box [2007-2010]

Skills

Description	Skill	Experience	Last used
Azure Cloud	Azure ADLS, Data Factory, Azure SQL	2 Years	2022
Cloud Data Platform	Data Lake, Lake House, Data Warehouse Using Snowflake Database	2 Years	2022
Traditional Data Warehouse	Snowflake & Star Schema	9 Years	2022
No SQL Databases	No SQL Databases (Arango DB, MongoDB, Cassandra, neo4j)	3 Years	2022
Traditional Databases	Sybase Development & Tuning	13 Years	2018
	Oracle Development & Modeling	3 Years	2021
Others	PySpark, Django, Python,	1 Year	2021
Conceptualization	Data Mesh	6 Months	2022
Programming	C++, Java, VB.NET	5 Years	2010
Reporting	Crystal Reports	5 Years	2010
	SSRS	3 Years	2010
	SAP Power Designer, MS Visio	3 Years	2021
Healthcare ERP Tools	TriZetto Facets, ORMB, UHG/Optum – EIEI, Claims- Reprice, ICES, Anthem Wellpoint Individual & Small Group, Large Group, Alternate Funded Business System, Finance Income Systems	13 Years	2021
Integration	Oracle BPM Suite, IBM WebSphere, WTX, SSIS	4 Years	2010
Scripting	Unix/Linux Korn Shell, Windows Power Shell	3 Years	2018

Zelis-Genzeon, Hyderabad | India
Aug-2022 – present: Director Infra Actual Role: Individual Architect and Mentorship role)

Sutherland Global Solutions, Kochi | India
Feb 2021 – Aug-2022 – Senior Director - Enterprise Data Modeling and Architecture (Actual Role: Individual Architect and Mentorship role)

Client: Internal and External
Project Description: Data model using traditional and modern/NoSQL, pipeline architecture development using on-perm & cloud infrastructure

Technologies used: Azure Cloud, Power BI, Arango DB, neo4J, Snowflake, PySpark, Foxx Micro services **Role: Enterprise Data Modeling and architecture:**
- Define COE Road-map for HIT Payer, and data platform strategy for further growth for both product and service offerings.
- Created POCs for Sutherland product and service offering for strategic data platforms encompassing US healthcare – Value based care
- Defined and created pricing-transparency data platform for US Payer healthcare using Azure platform.
- Create POCs for US and EU clients using Cloud, and multi-model data platform that won the deals
- Work with Stakeholders, Clients, Sales-team for industry problems and solutions

Mar 2019 – Feb 2021 – Data Architect – Legato Technologies LLP, Subsidiary of Anthem, Hyderabad, India
Client: Anthem Inc,USA
Project Description: Data Modeling, Architecture, and ODS for Anthem's platforms – ORMB, WGS, Salesforce, Enrollment, Rating, COINS [Customer, Enrollment, Administrative Billing, Group Billing, Commission]
Technologies used: Oracle 12c, neo4j, Arango DB, Kafka, IBM MQ, Salesforce, Java Sprint boot Micro services
Role: Data Architect:
- Implemented Facts and Dimension data warehouse model on top of Oracle Revenue Management and Billing platform 2.8 for Anthem's, and Fully Insured implementation (Expanded team and $$ project)
- Implemented MDM data model solution for integrating and decommissioning platforms seamlessly using Oracle12c (using relational and JSON data patterns), along with clear documentation.
- Implemented Commission Data Model using Oracle12c (got awarded $$ project)
- Created multiple POCs using key-value, hierarchical data store to deal with complex healthcare data (Cassandra, Arango DB, Neo4J) [Multi-Model Data Patterns]

Aug 2018 – Mar 2019 – Optum Global Solutions, Subsidiary of UHG, Hyderabad, India
Client: UHG,USA (Internal)
Project Description: Segment ID COSMOS Medicare program implementation for Population Health
Technologies used: Mainframes, Data warehouse, Data Lake, COSMOS, Pega, Salesforce
Role: Technical Architect:
- Provided architectural solution for Payer and clinical integration targeting Medicare ACO program. (Population Health) (Pega, Salesforce, Scheduling, Predictability)
- Compiled end-to-end architecture diagrams using Microsoft Visio, for segment id Medicare program (150+ applications)

Mar-2018 – Jul-2018 – Shakti Solutions Inc, USA & India [Contracting]

Role: Senior Consultant, Client: Anthem Inc, CA, USA

- Manage and implement the full modernization suite which takes care of the entire Anthem's large Group enrollment; Transform the legacy system into a new system using modern technologies such as Java, Oracle, Kafka; Transform batch architecture into event driven architecture.
- SME for 834, EDI and Anthem enrollment Data Modeling

Mar-2017 – Mar-2018 – Associate Delivery Manager, UST Global [Contracting]

Role: System Analyst, Client: Anthem Inc, Norfolk, USA

- Development of Universal Billing & Finance Platform for Anthem Government Business Division -New Sales of Group Retiree Solution (using TriZetto Facets, Oracle, SQL Server, Informatica and SSIS). This GRS build will host any future sales and migrations.
- Liaising with various Business Managers & Execution Leads to define, analyze and document the detailed business requirements Translating business requirements into technical design using Confluence Managing the product backlog and prioritizing between different user stories after proper estimation using JIRA
- Working on changes with Testing Team and providing use case specifications.
- Played a key role in UST global RFP in selling 10mn$ claims automation design for external client.

Apr-2013 – Mar-2017 – Software Engineer, Shakti Solutions Inc

Mar-2016 – Mar-2017, Role: Software Engineer, Client: Moda Health, Portland, OR, USA

- Documented the technicalities of existing legacy billing platform and defined future roadmap for modernization.
- Transitioned the ASO billing applications successfully to Deloitte bucket for Anthem Inc.
- Provided optimization solutions which resulted in batch uptime and reduction of operational cost.
- Worked with various lines of business to elicit, document, analyze & clarify requirements for changes & enhancements.
- performed on member proration to be in compliant with CMS mandates for Anthem's ISG platform

Apr-2013 – Mar-2016, Role: System Analyst, Client: Anthem Inc, CA, USA

- Created new eligibility & payment platform with complex HIX business requirements to integrate with Moda's Facets Enterprise, using both batch & real-time mode.
- Consolidated heterogeneous eligibility platforms into single state-of-art eligibility platform using HIPAA834 & Facets Enterprise
- Provided solution to integrate external claims authorization with Modas' Facets claims platform.
- Performed gap analysis for HIX business requirements and provided solutions to consume sponsorship billing from
- WA HBE by making change in enrollment process & consolidating by Facets List bill.
- Optimized long running processes in Sybase world.
- Evolved Facets platform strategy to changing business needs in HIX world along with BSAs

Jan-2011 – Apr-2013 – Technical Project Manager- Optum Global Solutions, Subsidiary of UHG, Hyderabad, India
Role: Technical Manager, Client: UHG USA (Internal) in River Vally Support Project

- Conducted architectural reviews on Facets Application Integration and presented suggestions to bring all the eligibility Facets instances under UHGs state-of-art platform – EIEI [Eligibility Intake and Editing Interface]
- Implemented automation initiatives to eliminate the manual efforts and reduce the CPU hours; saved 500 K USD + 10K CPU hours per year.
- Worked on integration related issues of UHGs Enterprise Wide Clinical Edit Platform with Facets enterprise.
- Designed a strategy which reduced adjudication rate due to UHGs connected
- systems such as pre-auth and pricing [after connecting with various business owners]
- Reduced the wait time of claim in connected systems and elimination of state-based-penalties
- Managed UHGs RFP for externalizing Facets Enterprise Services to other clients.
- Performed architectural analysis to Sunset Custom 1099 Process with TriZetto Process

Mar -2006 - Oct -2010 Tech Lead, Synergy Computer Solutions, Hyderabad, Denver, USA [Contracting], Client: TriZetto, UHG • Optimized around 300+ Sybase Stored procedures • Wrote Facets Extension using VC++, Visual Basic • Created new reporting solution for Facets 4.3 using Microsoft Reporting Services • Implemented Lockbox automation for Facets using Perl Script • Provided support for UHGs Eligibility intake and Editing Interface, UHG's Claims • Repricer using ECMAP, Pervasive Data Junction, Oracle BPM suite, IBM WebSphere.

Other Engagements • Jun'05-Mar'06: Forex Trading Application in UBS, Singapore as Support as Consultant: UBS's trade application support and Sybase Stored procedure optimization. • Apr'04-Jun'05: Senior Software Engineer to support HP's eCcomcat Application in HP, Bangalore, India. HP's internal ecommerce Java J2EE web application support and enhancements. • Oct'02-Apr'04: Phoenix Global Solutions, Bangalore, India as Analyst: Regence REMAC Reports using Facets Data Model and Crystal Reports • Feb'02-Sep'02: Softsytems Ltd., Kochi, India as Programmer-Harvest IT ERP Solutions. • Jun'00-Feb'02: SERC, IISC, Bangalore, India as Project Assistant

Educational Details
- Master of Computer Applications – Ayya Nadar Janaki Ammal College, Sivakasi, Madurai Kamarajar University, India
- 78% Bachelor of Science in Physics – Saraswathi Narayanan College, Madurai Kamarajar University, India – 80%