SATHYA KRISHNASAMY

Newington, CT   Phone: (978)-387-9464   Email: krisat3003@gmail.com

A distinguished leader with unique blend of technology, business and systems thinking skills with reputation for conception and delivery of transformative product lines

PROFILE /KEY ACHIEVEMENTS

- **25 years** in business systems delivery in many Fortune 500 companies in healthcare, Insurance, supply chain fintech and b2b services, web/ mobile/voice channels measured by adoption and value. **Related work published in international journals. Strong academics in enterprise engineering/ business optimization.**
- **18+ years of leadership** experience in **Strategy / Planning, Technology Management, Enterprise/Application Architecture, and Product Engineering/Management and Hyper Automation-multi-party web3 business processes. Devised transformation portfolios and managed execution.**
- **Expertise in rapidly evolving emerging technologies (DLT/Distributed AI – multiple L1/L2 protocols) and deep understanding of integration bridges (APIs, side-chain oracles), dApps with needed convergence mechanisms for hyper-productive convergence for mainstream adoption including data provenance, governance, privacy protecting technologies(state channels, ZK proofs, encryption in use) in regulatory environments, asset tokenization and payments innovation, and evolving standards – technical -ERC 20,721,1150 , XS 20 30 40 , and following evolving regulatory-BSA,TATF,IOSCO**
- Built motivated teams, developing individuals /capability centers. **Instituted Scaled Agile and running multiple Agile Release Trains, which later become company-wide adoption.** Experience setting up **globally distributed centers** including technology and back office operations and managed vendor relationships
- **Advisor/Voting Member** in industry strategy taskforces including **CRAFT-Fintech, HIMSS-Alternate payments, Blockchain, Association for Strategy and Planning, HL7, and startups**

EDUCATION

Executive Certificate in Management and Leadership   MIT Sloan School of Management Cambridge, MA
Strategy and Innovation – Digital Technologies, Platforms, Driving Innovation, AI for Business Strategy
MSIE in Enterprise Engineering/ Information Systems   Wichita State University, Wichita, KS (97-99)
Bachelor of Engineering   PSG College of Technology, India (93-97)

INDUSTRY CERTIFICATIONS

Association for Strategic Management – Strategic Management Professional, ISACA-Certified in Governance of EnterpriseIT, ScaledAgile (LeadingSAFe,PMPO CSM), Sun Enterprise Architect(I), Blockchain Alliance-Solutions Architect, PMP, APICS-CPIM/Supply Chain Management.

PROFESSIONAL EXPERIENCE

Senior Director, Technology, May 2010 – Present (In Transition to fulltime chainaim) Elevance. Wallingford, CT
Elevance Health is a leading insurance payor(150B). Brands include Anthem, Empire, BCBS in many states
Held many leadership roles in technology delivery, strategy and digital transformation. **Managed** a **delivery portfolio with annual budgets of USD 15-25 M and 150+ teams and constant technology modernization.** Led Business Analysts,Solution Architects, Engineering /Program Directors, Development managers, System Analysts, and Testers
Dec 2021– Present Senior Director, Product Development/Engineering – Blockchain and Quantum Org
Paving the strategy for transformational change to cut admin costs and improve efficiencies, using emerging technologies. The mission is to make DLT / Distributed AI based multi-party business optimization systems mainstream for operational adoption@scale in regulated environments.
Accomplishments: References: Rajeev Ronanki – Chief Digital Officer

- Conceived and trademarked hyper-productive business process framework @ scale for Elevance that merges serverless computes, AI models, and patterns for AI and human loop. **Resulted in business process throughputs more than 50-100 X for membership/coverage and co-ordination for pre-pay @ demand verifications, with a run-rate of >100M in total savings, and full multi-party data provenance.**
- Built and elevated a global team for understanding the business possibilities of **DLT / distributed AI/Quantum and running "Art of the possible" workshop**s. Identified and prototyped many solutions @ on-demand real time functional workflow(enrollment, adjudication to payment settlements)
- **Established working relationships though CRAFT with finance/fintech partners (BoA,Wells-Fargo,SWIFT,CME) for AI / distributed AI , LLMS-ClaMS/FEMRS, and Quantum possibilities (with contemporary applied research)) and many blockchain protocols.(Hadera/Enterprise Ethereum/Hyperledger and many evolving privacy protecting networks, zk protocols, secure multi-party computes. Laid out a roadmap to bridge current systems to emerging technologies, in the context of regulations and privacy/business sensitivities- Enterprise Defi Research projects, and enterprise data provenance for shared business processes.**

Environment: AWS (Lambda, MongoDB/Atlas,HyperLedger Fabric, Kafka,Typescript,MERN stack, Kubernetes)
Feb 2019– Dec 2021 Innovation Engineering – Lead Open Innovation efforts for Anthem Innovation**.**
References : Rajeev Ronanki / Maria Filipova – CDO, VP Innovation.
Established the Innovation Eocsystem whitespace sensing capabilities identifying Anthem strategic opportunities. Managed relationships with many innovation workgroups and ecosystems, including Mass Challenge/MATTER and many

academic institutions. **In-depth analysis of multiple blockchain protocols (both public and enterprise blockchains), understanding the potential , and the adoption barriers, managing the relationships to multiple protocols trying to bridge public and private blockchains for enterprise use-cases in insuretech,payments, healthcare. Provided technical direction across the Innovation portfolios rapid prototyping for value rationalization.** Aided many M and A activities and helped launch the HUN consortium. Pre-sales advisory to many RFPs. Lead architecture and global technical teams from Hyperaspect, Salesforce, Upboard, for collation of ecosystem sensing information on emerging technologies.
Environment: AWS, Salesforce, AWS private links, and Tensorflow models for Topic Modelling. Supervised/Unsupervised learning, Solidity, GO, Typescript.

Oct 2017 – Feb 2019   Executive Advisor – Solutions, Strategy and Transformation, Digital Technologies
Instituted practices for **consumer digital experience cutting across multiple technical, functional and process organizations in technology, sales, products, accounts and operations**. Defined measurable digital success metrics, and headed strategic initiatives across web/mobile, API channels with **Mckinsey transformation methodologies**. Ran portfolios in consumer experience, innovation/pilot plus implementations, and advised external task forces like Davinci, and digital health accelerators for key consumer digital journeys and evaluating APIs landscape. Accomplishments include **increase of about 20% YoY in digital channels, and efficiencies in call volumes, digital only ID cards, digital claims status alerts, and Provider service data store, and key multi-year high revenue wins(>100M/year).**

Jan 2015 – Oct 2017   Director I, Technology, Digital Technologies
Ran consumer engagement and provider collaboration for **anthem.com**, consolidating multiple business lines and tech stacks, enterprise content, multi-factored security including geo-location/velocity threat detection capabilities and common APIs for web/mobile channels. **Instituted Scaled Agile Framework (SAFe)** and stood up/trained **SCRUM** teams and **Agile Release Trains** for delivery and devops**.** Managed the **product/ portfolio** roadmap and **Program increment planning, for Consumer portal**. Set up global delivery, negotiated capabilities focused on synergies & quality, increased cost efficiencies by about 30%.Set direction for the team, and outlined goals and evaluated performance. Elevated the team from point skills to a collective delivery capability.

May 2010-Dec2014, Senior Manager, Technology – Consumer Portal / Experience
Took over, rationalized structure and devised move-ahead strategies to turn around a long struggling technology upgrade and helped deliver in the next 4 months, and enabled important backlogged projects. Delivered key projects **in consumer experience, transparency, provider repository and value based payments. Launched the mobile experience, secure messaging, and a** web self-service channel with **25,000 logins / hour**, integrating to heterogeneous back ends with a **smart router in a component architecture.**
Environment: Angular JS/Jquery, Liferay, Apigee/REST/Mongo, Datapower/ SOAP, Akamai, ionic, Device Anywhere, Atlassian, Pega, git, bamboo, selenium, Facets, Mainframes. Serves many Fortune 100 Accounts.

Feb 2007 – May 2010   AETNA Inc., Hartford, CT
Delivery Lead / Sr Application Architect–Business Systems Delivery
AETNA Inc (www.aetna.com) is one of the leading health insurers in the United States.

Delivered AETNA Medical management product for case/ disease/ utilization management, and health informatics with Aetna Total Clinician View (ATV) - providing web based **360 degree view of the member** to clinicians. **Recognized as a very successful initiative** driving the daily workflow for 15000 clinicians. Member data was mined to generate outreach and measure progress. Played the roles of **delivery manager and senior architect** providing **technical direction, and program/project management across multiple releases with annual** budget of **10 M**. **Built and led a 30-40 member team** of architects and developers. Managed the technical roadmap and business rollout plan. **Recognized from the CIO's office** for unique skills for results in strategic delivery.
Environment: J2EE(Spring/Hibernate/Aspects), Webservices, EXT JS, JRules, Oracle, Microstrategy.

Oct 2002 – Feb 2007   Hapag Lloyd-Canadian Pacific Ships Inc., Tampa FL
Delivery Lead - Strategic Products   May 2004- Feb 2007
Hapag Lloyd is one of the world's leading container shipping companies operating 22 trade lanes and led the product management and delivery lines – ecommerce, relationship resolver, vessel scheduler, quotes and fleet management
- **Delivered** the **e-commerce system and a multi-party document flow resolver product,** that enabled online **cargo flow of more than USD 50 million in the first 6 months. Recognized as one of the highest ROI projects**. **The adoption rose from around 8% of customer base to 50% in 2005 and published in international journals.** Developed/Managed the product roadmap and a 20-30 member global team. Served in **the enterprise architecture committee,** driving company-wide technology/process standardization.
Technical Lead / Lead Developer: E-commerce and Vessel Scheduling Systems   Oct 2002- May 2004
- .Developed the **framework** for integrating java web tier(Struts1.1,EJB2.0) with AS 400 using MQ,MDBs and jt400. Handled scalability and performance.

Nov 1999 -Sep 2002   **Advanced Member of Technical Staff: i2 Technologies Inc, Dallas , Texas**

- Designed / developed business optimization software in J2EE stack and OSL, a genetic algorithms engine for **i2 Demand fulfillment**, a memory resident high volume global server providing allocated available to promise across time, location and alternates, **i2 Distributed order management,** brokering the order to multiple fulfillment engines and **i2 Enterprise planner**, a web-enabled multi-project resource planning tool developed on top of constraint-based planning algorithms. Played product management and tech pre-sales roles. Deployments include SONY, Applied Materials, Whirlpool, Ford, US Navy, Bell Helicopter among others.

Aug 97 - Jul 99   **OO Programmer, SCS Inc / WSU Research, Wichita, Kansas**

- **Designed/Developed** distributed algorithms and simulation for air traffic conflict resolution **(**A research pilot for the FAA, supporting the founder's research publication for MIT Lincoln labs).
- Developed many academic research / industry funded applications in supply chain optimization, Virtual reality based factory planning , operations research, databases, and Systems analysis (Popkin's Architect)

EXPERTISE

Technology Management	**Strategic Planning**	**Investment Portfolio**	**Product Engineering**
Program/Project Management	**Enterprise Architecture**	**Team Building**	**Quality Engineering**
Organizational Leadership	**Resource Management**	**Budgeting/P&L**	**Negotiations**

TECHNICAL SKILLS

Multiple Blockchain protocols – consensus/ zkps, web3 enablers. AWS/GCP containers, Kubernetes, serverless . Tensorflow/Keras, ClaMS,FEMRs. J2EE/MERN stack, multiple web/mobile UI frameworks, RDBMS(Oracle/SQLserver,Postgres), Object DBs, noSQL (MongoDB), ELT platforms(Teradata). Messaging – Kafka, streaming, App Virtualization(Greenhat),

PUBLICATIONS and PROFESSIONAL AFFILIATION

Krishnasamy, S. **Logistics E-Commerce in global ocean shipping supply chain**, Information Systems,10th Annual Conference**, International Journal of Industrial Engineering**, Clearwater FL, Dec 2005.
Krishnasamy, S. **E-Commerce in International Ocean Shipping**, 1st Annual Conference**, International Journal of Logistics and Supply Chain Management**, Aug 2007.
Member- PMI,HIMSS, Health3.0, iiBA, APICS, web 3.0, Boston Product Management Association