LAKSHMANARAJ SANKARALINGAM
Chief Advisor

Product Owner | Solution Architect | Service Delivery | Business Analyst |
Product Engineering | Operations Management | Digital Transformation

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in **www.linkedin.com/in/LakshmanarajSankaralingam**, github.com/Lksmangai,

Key Skills

Product Owner & Clients Engagement

Digital Transformation & Automation

Solution Architect & Business Analyst

Product Engineering & Management

Service Delivery & Governance

Strategic Planning & Leadership

Process Management & Excellence

SLAs & Operations Management

Audits, Quality & Compliances

Application Life Cycle Management

Innovation & Change Management

Soft Skills

Motivational Leader
Innovative
Strategic Thinker
Concise Communicator
Collaborative
Team Player

Career Timeline
(Latest 4 Organizations)

Profile Summary

- An achievement-oriented professional with **over 30 years** of experience in successfully managing and controlling entire business processes across **Delivery Management, Solution Architecture, Business Analysis, Productization & Management, Automation & Strategic Planning, Software Engineering, Digital Transformation & Change Management, Operations Management,** Process Enhancement and Team Leadership
- Extensive experience in working across **Healthcare, Medical Systems, Image Processing, Pre-Press, Publishing, Telecom, Banking, Financial Services and Insurance** domains
- Exhibited leadership across business functions with expertise in driving **improvement methodologies** entailing Service Delivery Management using latest trends, tools and best practices such as **DevOPS, Agile, Scrum, PSP, TDD, BDD, TOGAF and OWASP** and by developing methods, upgrading processes including solution architecture to improve overall productivity, efficiency, quality & customer experience and implementing best practices across processes operations within **global delivery frameworks** in managing, **business continuity plan, business transformation, business process reengineering**
- Added value to the efforts of the organization by **building high performing teams** that excel in delivering business value with high morale and low attrition; **successfully managed a team of 80 members**
- Performance-driven professional with comprehensive understanding of **Business Operations, Product Management, Digital Transformation** and extensive **program management and governance experience;** proficient in conceptualizing & implementing solutions, scope management, activity sequencing, budgeting, cost estimation, risk management and quality compliance management along with successfully led and managed **process excellence and transformation initiatives as well as Office & Workflow Automation Project** which provided client and business, benefits like added business impact and value, increased capacity, reduced cost, reduced ops risk and improved quality of service & efficiency

Education
- **1990: BE (Computer Science)** from Thiagarajar College of Engineering, Madurai

Career Timeline

| 2002 - 2005 | patni | 2010 - 2020 | TELOXIS |
| Cherrytec *Intellects Bridging the Future* | 2005 - 2009 | gloStream | 2020-till date |

Area of Expertise

- **Role:** Development & Operations, Solution Architect, Business Analyst, Product Manager, Digital Transformation, Research & Performance Management, Resources & Portfolio Governance, Strategic Planning & Cultural Building
- **Technologies: Microsoft:** .Net Core, ASP.net, C#, VB, VC++, MSSQL, SSRS, SSAS, SSIS, VBA, WCF, WPF, WF, SilverLight, SharePoint, BizTalk, AppFabrics, WebParts, Portlets, Power BI, Dynamics CRM, **Java:** Spring, Spring boot, J2EE, Hibernate, JPA, **Linux**: C/C++, QT, KDE, **Oracle:** PL/SQL, PRO*C, **GCP:** SonarQube, Zed, Kubernetes, Docker, Jenkins, Spinnaker, Google Stack driver, Cloud SQL, Cloud Storage, Ingress, Cloud Endpoints, Data flow pipeline, Big Query, **AI/ML/DL**: Tensor Flow, Keras, Accord.Net, ML.Net, Tableau, Python, R, **Others:** HTML5, NodeJs, Angular, React, Flutter, Typescript, Javascript, JQuery, PostgreSQL, MySQL, PHP, Perl, Swagger, Django, Firebase, OAuth, Kendo, Selenium, RPA, Swift, Kotlin, Objective C, MVC, MVVM, MVP, MVT, OWASP
- **Domain: Healthcare:** DICOM, PACS, CT, MRI, EMR, PM, RCM, Value Care, **Publishing:** Prepress, Editorial workflow, Pagination, OCR, Imaging, Newsfeed, **IOT:** MQTT, XMPP, Arduino, RaspberryPI, **Telecom:** TCP/IP, UDP, xModem, Kermit, SxxP, OSS/J, NMS/ EMS
- **Standards: Medical:** HIPAA, HL7, DICOM, PACS, C-CDA, CCD/CCR, NCPDP, RxNorm, SNOMED, MU, MIPS, PI, ICD9/ICD10
  - **EDI:** ANSI 4010/5010, 270, 271, 276, 277, 835, 837
  - **Quality:** ISO/IEC, CMMi, HiTrust, HiTech, NIST
  - **Architecture:** TOGAF, NIST EAM(FEAF), **UX:** NIST.IR. 7804, 7741 and 7742, WCAG 2.0
  - **Life Cycle:** Agile, XP, Scrum, Kanban, Lean, Waterfall, MSF, MOF, **Life Cycle Tools:** TFS, GIT, DevOPS, ALM, PLM

Work Experience

May'20-Present with Teloxis, Nashik as Chief Advisor

Growth Path: May'20 – Present Chief Advisor

Key Result Areas:
- **Providing feasible business solutions to customers and enterprise technical solutions to organization**
- **Mentoring and Governing teams to the best practices of technologies and processes**
- **Researching and Executing change management to the best longevity for the company**
- **Managing and Developing products based on market needs, shortening timeline of predictable customer projects and also converting projects to products mutually with customers matching market demands and profitability**

Highlight:
- As a **product owner and solution architect**, discovered various **Mathematical Formulae**, developed and deployed various products for **Artificial Intelligence** across various domains and process optimisations. Presentation material for the same is available at https://github.com/Lksmangai/DeepLearning/blob/master/MachineIntelligence.pdf
- As a **delivery head**, introduced opensource based Cloud application hosted in GCP with incremental life cycle for the product and for each incremental phase, used Evaluation and SWOT analysis to approve the concept, Agile-Scrum, DevOPS methodology for process, GitHub for source control, C#, .Net Core, Java, Angular, React, Flutter, Tableau, Python, django for development, TOGAF and OWASP for product design and integrations, NISTIR 7804 for UX design, SonarQube for SAST, Zed for DAST, 'Guerrilla testing' for UX testing, 'MoSCoW', 'RICE', 'Polls & Surveys' and 'A/B testing' for prioritizing features and fixing right price and OKR for tracking objectives and key results

Mar'10-Feb'20 with gloStream, Nashik as Delivery Head

Growth Path: Mar'10 – Dec'17 Delivery Center Lead, Jan'18-Feb'20 Delivery Head

Key Result Areas:
- **Leading a team of 80 members** at Offshore Development Center with disciplined continuous integration and continuous deployment of certified, Voice-enabled Electronic Medical Record, Practice Management and Value care Solutions

Highlight:
- **Introduced Scrum-based Agile methodologies by replacing ad-hoc process** to streamline development processes and deploying action plans, process improvement measures entailing Service Delivery Management using latest trends, tools and best practices such as DevOPS, Agile, Scrum, PSP, TDD, BDD, TOGAF and OWASP
- Spearheaded in getting **ONC MU 2015 Certification and 21 CFR Compliance Audit Certification** for products
- **Successfully engineered and reduced operation cost by 50%** of Microsoft based Client Server application to opensource based Cloud application hosted in GCP

Aug'05 – Sep'09 with Patni Computer Systems Ltd., Pune as Project Manager

Growth Path: Aug'05 – Jul'08 Senior Software Specialist, Aug'08 – Sep'09 Project Manager

Key Result Areas:
- Managed complete projects for DICOM Domain and BDO Representative for entire CT Department of Toshiba's ODC Project teams in Medical Electronics Business Unit and **Led a team of 85 members** including Project Managers & Leaders and provided technical guidance along with compliance to ISO & CMM Quality Standards
- Delivered excellence across the organization and got **Best Team Award thrice**
- **Converted the customer Toshiba,** having low rated satisfier (2) to highest rated satisfier (5)

Mar'02 – Jul'05 with Cherrytec Solutions Ltd., Chennai as Practice Head - IT

Key Result Areas:
- **Headed a team of around 60 FTEs** for product development and project execution and **Converted loss making company to profit making company** via accurate proposals and controlling risks

Nov'00 – Feb'02 with Netripples Software Ltd., Hyderabad as General Manager - Technical Operations

Key Result Areas:
- Headed Technology Department of Product Development Cell and led a team of around 60 members
- Participated in Corporate Planning and implemented new feasible technologies
- **Streamlined the technical operation of delivery, deployment and implementation process**

Apr'00 – Nov'00 with Accel India Ltd., Chennai as Project Manager

Key Result Areas:
- Managed end-to-end project activities for providing B2B & B2C Solutions,
- Administered and maintained the web servers of Accel Group and deployed new technologies

Jun'90 – Apr'00 with Indian Express Group, Chennai as Sr. Manager (E&C)

Growth Path:

Jun'90 – Dec'90 Trainee, Dec'90 – Dec'92 Software Engineer, Jan'93 – Dec'95 Sr. Software Engineer, Jan'96 – Dec'98 Manager (E&C), Jan'99 – Apr'00 Sr. Manager (E&C)

Key Result Areas:
- Headed the System Division of 13 Publishing Centers and 72 Non-publishing Centers including hardware and tele networks
- Automated the Express Group's workflow to incorporate user-friendly Pagination, Editorial and Communication System
- Modernized the Publishing Centers which resulted in removal of entire Pasteup Department and Proofing Department by replacing Type-setters with Image-setters and Laser Printers, LK2, LK3 machines with PCs and MACs, Microtek and NEC Controllers with Novell NetWare servers and later by Red Hat Linux servers and by introducing scanners and data circuit
- **Be the first to implement Linux** based solution to the publishing industry and presented in IFRA

Journals / Professional Achievements

- **Discovered 26 concepts in mathematics and got copyright from Government of India; Same is published in International Journal of Mathematics Trends and Technology**

  https://www.ijmttjournal.org/Volume-66/Issue-11/IJMTT-V66I11P502.pdf has 24 concepts pertaining into 4 major divisions namely (A) 10 Extensions to Fourier series, (B) 7 Varieties of high precision functions, (C) 5 Categories of smooth curves, (D) 2 Types of decorative path which is useful in 4 major areas namely, (A) Compression of data, (B) Prediction / Prescription Activation function in AI/ML algorithms (C) Roots, Maximum and minimum of turning points (D) Adding decorative curve connecting any rough path.

  http://www.ijmttjournal.org/Volume-14/number-1/IJMTT-V14P501.pdf is 25th concept of transformation to get real roots of polynomial equations in to a desired range which can be used to compress the curve to find roots
  http://www.ijmttjournal.org/Volume-14/number-1/IJMTT-V14P502.pdf is 26th concept of an operator similar to functional derivative where in it is applicable for matrix functions used to find approximation over larger ranges

- **Delivered a keynote** on oct 9, 2021 in track 4, for **INTERNATIONAL CONFERENCE ON ADVANCEMENTS IN ELECTRICAL ELECTRONICS COMMUNICATION COMPUTING AND AUTOMATION** as given at http://www.icaeca21.kct.ac.in/ and http://www.icaeca21.kct.ac.in/assets/img/Track-4%20Computational%20Intelligence.pdf and presentation material is available at https://github.com/Lksmangai/DeepLearning/blob/master/MachineIntelligence.pdf

Personal Details

Date of Birth: 15/06/1969 **Languages:** English, Tamil **Hobbies:** Tamil Poetry, Kabaddi

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