KUMARESAN RAMASAMY *PhD in Progress*

Global PLM, MES and ERP Functional and Business Process Transformation Leader.

PMP® Certified | Certified as Master Project Manager [MPM] | Scrum Alliance certifiedas Scrum Master | Lean Six Sigma Practitioner | Business Analysis and Process Management | Mendix Rapid developer | AWS Certified Cloud Practitioner

CONTACT DETAILS

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PROFILE SYNOPSIS

Experienced PLM manager with overall 19+ years of experience including 6 years leadership in feature design and development of enterprise-oriented products. Skilled in leading diverse teams across technology, business, and design departments to deliver successful solutions. A preferredend-to-end product lifecycle management specialist with a strong understanding of PLM architecture, road map, functionalities, and business process mapping. Adept at applying Lean/CI techniques to new product development and process improvement activities.

Demonstrates leadership capabilities, with excellent communication and presentation skills, to report necessary technical updates to management. Possesses excellent analytical skills, business acumen, and high proficiency in managing schedules. Detailed understanding of PLM best practices for document control, product data management, modelling and drawing standards, configuration management, change management, and master data quality management.

CORE COMPETENCIES

- Business process transformation
- Go-To-Market on time Strategy
- Product lifecycle Management
- Requirements Management
- Enterprise BOM Management
- Cross-functional Liaison
- Motivational leadership
- Change Management
- New Product Launches [NPI, NPD, NPM, TD]
- Energetic Multitasking and Risk Management
- Active Listener and open communication
- Flexibility & Resilience
- Problem solving and practical decision making
- Team Building, Stakeholder Management & Leadership
- Systematic approach

CAREER HIGHLIGHTS

- Managed multiple projects from start to finish, including budgeting, stakeholder orientation, chartering, OKR development, stakeholder training, and execution coordination.
- Hands-on experience in CAD integration with SWIM, IPEM, TCAI, and NX.
- Skilled in ALM with hands-on experience in multiple application development.
- Experience in CAD data management for Digital Twin. Semiconductor Packaging design include SoC's and BoC's using Cadence.
- Proficient in data analytics, including Power BI, SQL queries for database management, ETL, Tableau, and Python dashboards.
- Proficient in project management techniques such as MPP scheduling and issue tracking using Jira/Jama and PDLC.
- Certified Scrum Master with extensive experience in Agile-Scrum ceremonies, project lifecycle processes, SDLC, team management, project delivery, and after-delivery support.
- Experienced in supply chain functions, including forecasting, demand planning, procurement, materials management, sales and operations planning.
- Skilled in understanding requirements, organizational objectives, KPIs, stakeholder identification, and liaison.
- Expertise in business analytics, gap analysis, PERT, Gantt chart, brainstorming, Six Sigma problem solving, prioritization, time management, change management, requirements mapping, and risk management.
- Familiar with AUTOSAR and V Model.
- Integrate PLC, DCS, SCADA with MES and configure M-BOM by routing and sequencing
- Experienced in master data configuration for PLM, MES, ERP, and CRM processes and product and materials implementation. Work experience in data management tools like SAP, CRM (SFDC), and MDG.
- Experienced in manufacturing operations management (MOM), OEE, process improvements, APQP, PPAP, FMEA, SPC, Value stream mapping ,Six Sigma, DOE, 7QC Tools, 8D, and problem-solving.

ACADEMIC CREDENTIALS

- Pursuing PhD in PLM Jun 2024 to 2028
- Master of Business Administration, operations 2010 to 2012, Tamil Nadu Open University
- Bachelor of Mechanical Engineering 2001 to 2005, Anna University

ADDITIONAL INFORMATION

- Date of Birth: 20th Mar 1984
- Languages:

Tamil [Mother tongue]	Fluent
English	Fluent
Deutsch	B1 Preparation

COMPETENCIES

- **PLM / PDM / MDM:** Teamcenter [Rich client, AWS] - MPP, Classification, Variant Configuration, Supplier Collaboration, MBSE, Change Management, Systems Engineering, Requirements Management, Structure Manager, Workflow designer, Query builder, Routing and Sequencing, Access Control, PLM XML,
- **Oracle Agile PLM:** Product Collaboration, Product Portfolio Management, Windchill PLM – PDM Link, MPM Link
- **ALM:** Siemens Polarion, Azure DevOps, Agile Central Rally, HP ALM, KOVAIR ALM, JIRA,
- **MES:** Simatic IT, CAMSTAR, other Customized tools
- **MOM:** OPCENTER EX FN. EX DS
- **CAD:** AutoCAD, Unigraphics NX, Pro-E, Solid Works, CATIA, AutoCAD Inventor
- **ERP:** SAP – MM and PP, Oracle ERP
- **CRM:** Salesforce, MS Dynamics 365
- **Data Analytics:** Tableau, Power Bi, Excel

❒ LEADERSHIP BENCHMARKS

- Designed and implemented a Change Management process that reduced the review and implementation time by 30 days.
- Established new life cycle states for Enterprise BOM with defined input and exit criteria.
- Identified business process gaps by documenting and comparing As-Is and To-Be processes and implemented E2E PLM business process.
- Developed and trained a new team for Master Data Management and Change Manager roles and assisted in executing UAT.
- Implemented Document Management solutions to address site-level and language differences.
- Successfully recovered sinking Tagetik technology projects and ensured on-time and effective closure.
- Managed and delivered 5 simultaneous projects on time and with high quality.
- Successfully drove the organizational transition from Project to Product using a modified CMMI/ASPICE model.
- Demonstrated and gained approval for a newly developed application to implement in an OEM platform.
- Introduced the Super BoM concept in a tractor model, which was later applied to all products.
  Enabled production within 2 months and saved more than 2.5 crores by substituting the Machine Bed with Tool Holder.

❒ PROFESSIONAL EXPERIENCE

xxxxxxxxxxx , Germany | Jan 2025– Present
Business Process transformation

- Working in Business Process transformation for power sector
- ETO, CTO , MTO process transformation into Teamcenter (Design to Part)
- Existing Project guidelines and Management decisions are being considered to build new processes
- Defining Part types and classification for BOM
- Defined the complete functionality for DBOM, EBOM , CBOM, MBOM, AS BUILT BOM, AS MAINTAINED BOM, SBOM
- Process explorations on sites and collect requirements for different products
- Defining CAD and PLM guidelines and pre-configuration feasibilities.
- Currently promoting the transformation from Project Management to Product Lifecycle Management

PITERION GMBH, Böblingen, Stuttgart, Germany | April 2023– Dec 2024
Senior PLM Consultant

- Working for SIEMENS to implement Daimler Project
- SMARAGD Transformation into Teamcenter project where all the metadata and CAD physical files transformation are planned and being working on PDM implementation
- Implementing ADAS components including ECU, Telematics, Flashware, others in E-BOM
- Currently implementing Digital Twin for Daimler OU's which is including Telematics, flashware and other product info.
- Solution consultant in System Transformation which includes transfer data model, defining business process and PLM Teamcenter configuration
- Implementing Production data like PPAP, APQP, FMEA, DOE and test results as a part of PDM
- Expertise in Product structure configurator like Variants configuration, Revision rule, effectivity, NX Flex Parts arrangement, Partition and so on.

Micron Technology, Hyderabad
PLM / ALM Manager | Sep 2020 – March 2023

- Built models, master data, and efficient business flow to transform Semiconductor Back End manufacturing business process to the new system.
- Identified process gaps, business requirements, and system limitations through AS-is process documentation using 4 levels of BPM, following the V model for system development.
- Captured E2E system information using tools such as Salesforce, Jira, Jama, PKG Design, and Confluence.
- Developed a new team for system control and working in UAT.
- Managed production change using Clear Quest and developed systems for design rule selection, assembly process selection, and materials selection.
- Design expertise in package technology, Substrate , including wire bond, FCIP, combination, and different types of IC packages.
- Designed SSD, NAND, MNAND Packages and used high speed interfaces DDR'S.
- Managed portfolios of different projects related to system, process, and product, and involved in supply chain planning and enterprise BOM for SKU level market planning.
- Coordinated with various teams such as BU, Design, NPI, Technology development, Assembly, Sourcing, and master data to align with proposed business process.
- Managed project milestones, OSIR, budget and resource planning, stakeholder communication, scope prioritization, and organizing high-level presentations.
- Maintained team focus on objectives and key metrics, supported them in maintaining progress, and motivated the team.
  Proposed solutions and built teams to solve manufacturing complaints, completing the project six months before schedule.

Tech Mahindra, Thiruvananthapuram
Project Manager | April 2019 – Sep 2020

- Governed multiple projects concurrently, utilizing Agile methodology and Jira tool.
- Transformed Tagetik Finance application implementation from a sinking ship to a top-speed cruise as Project Manager.
- Acted as Project Manager, Business Analyst, Tester, and Scrum Master for Procurement to Pay P2P application.
- Oversaw the implementation of AS-CRM, a SaaS product utilized globally by Nissan, to display After Sales application data and Connected Vehicles data through a cloud storage system and ETL tools.
- Led the extraction of Connected Vehicles data from cloud servers through SFTP, and processed ETL for data analytics.
- Experienced in gathering requirements for SCM functions, such as Warehouse and Logistics planning, Transportation and Distribution.
- Followed classic ASPICE model E2E protocol for change management.
- Managed Master Data in Teamcenter related to SCM, CRM, and MES BOMs.
- Coordinated the integration of multiple systems and data transfer using ETL.

TekSystem, Chennai
Senior Business Analyst | Sep 2016 – Apr 2019

- Analyzed BOM Management for Ford project as a Business Analyst, utilizing Agile methodologies with Rally Tool.
- Configured E-BOM, M-BOM, and S-BOM in a Java application, and integrated them into PLM Teamcenter, SAP, and SCM systems.
- Integrated data acquisition from PLC, SCADA and mapped to MES system. Also Work order mapping and resource planning in MOM
- Led boot camp for a modified Product-Driven Organization model, like CMMI/ASPICE.
- Utilized Rally Agile Central to capture user stories, update Scrum Master, and deliver with Product Owner.
- Implemented cost details, planning, criticality, vendor details, and logistics information.
- Integrated CAD models and received approvals.
- Integrated scheduling application to aid logistics handling in SCM.

AtoS, Chennai
Tech Lead | Nov 2014 – May 2015

- Led a team for implementing business processes in a custom bpm and published it to work stream.
- Managed a project for the Supplier Connect application, including Vendor onboarding, evaluation, category assignment, and sending it to Teamcenter classification via API.
- Conducted Proof of Concept in Oracle Agile PLM.
- Done POC in SIMATIC IT and CAMSTAR. Also, hands on configuration experience in OPCENTER EX FN & EX DS
- Provided L3 Support for Siemens Germany in the Traffic Lights project.
  Led the project for implementing Supplier Collaboration Foundation (SCF) in Teamcenter.

Future Focus InfoTech, Bangalore
Team Leader | Mar 2014 – Nov 2014

- Led a team in implementing the Manufacturing Process Planner.
- Implemented Plant, Product, and Process structure for semiconductor group products at Applied Materials.
- Aided internal logistics through routing and sequencing with the Process Planning module.
  Implemented Electronic Work Instructions and Schedule Planner.

Geometric Ltd, Chennai
Senior Engineer | Sep 2010 – Oct 2013

- Worked as a Configuration and Changed Engineer for Caterpillar Trucks in PLM Teamcenter.
- Managed a team of 16 members and oversaw Caterpillar ODC reporting.
- Configured Virtual Process Planning for Assembly and Manufacturing.
- Configured E-BOM to M-BOM in MPP module.
- Structured Super BOM to build multiple vehicle variants from a single BOM.
- Conducted Route Study, Operation Sequencing, and Materials Planning.
  Integrated PLM with SAP SCM.

Delphi TVS, Chennai
Engineer | Aug 2007 – Sep 2010

- Spearheaded NPI, NPD and TPM as a Production Engineer.
- Saved 2.5 crores annually by substituting tool holders instead of replacing machine beds.
- Skilled in CAPEX, OPEX, Tool & Equipment Planning, Commissioning, Process Capability, PPAP, APQP, 7QC Tools, Six Sigma, Internal Supply Chain and Production Planning, Methods Planning, and TPM/TQM Quality Standards.

Mitsubishi Heavy Industries India precision tools Ltd, Vellore
Assistant Engineer | Aug 2005 – Jul 2007

- Design gear cutting tools using AutoCAD and simulation to optimize cutting path.
- Conceptualized and developed Hob, Shaper, Shaving Cutter, Broach, and Bevel Gear Generator tools.
- Assisted Production Planning and Quality Team.
- Pioneered the creation of the first-ever Super Dry Cut Tool, which was successfully launched to our customers.