

Aravinda Babu Mandem

PTC certified Technical Architect, Consultant and Developer

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CAREER SUMMARY:

Windchill Solution Architect & Project Delivery Manager having around 11 years of experience in architecting, blueprinting, design, project management and implementation of Product Lifecycle Management (PLM) solutions.

Worked as project delivery manager, solution architect, technical solution designer, implementation consultant, Windchill Integration Developer, Development lead, Upgrade team lead & migration consultant for various clients from diverse industry verticals viz. automotive, Hitech, Telecom, Consumer durables & medical devices companies.

Worked as technical SME in building proposals for PLM Windchill Implementation, enhancing existing PLM Solution, implementing new solution, integration of PDM systems with other enterprise systems (viz. ERP etc.).

Provided estimates for multiple RFPs and worked with SA on staffing. Played key role in winning multiple PLM deals for current Organization.

As a Key member of PLM practice and delivery unit, handling operations & recruitment and anchored the initiatives for mentoring and building competency of resources.

PTC certified Technical Architect, Consultant and Developer.

Professional Experience

Organization	Designation / Division	Period	Skill Areas
Accenture Solutions Private Limited	Associate Manager / Industry-X	Oct 2015 Present	• PLM Implementation
Whirlpool of India Limited	Sr. Software Engineer/Engg. Services	Oct 2013 to Oct 2015	• PLM Implementation
Tata Consultancy Services Ltd.	Systems Engineer/Engg. Services	July 2011 to Oct 2013	• PLM Product Development & Integration Expert

SKILLS PROFILE:

- **Project Delivery Manager**
Execution and Delivery of Windchill Implementation Projects, Resource Management.
- **System Design and Development**
Requirements Analysis, Functional Solution, Developing Functional Specs & Use cases, Technical Solution design (High level & Low level), Implementation, Upgrade, testing, documentation, and user training.
- **Operating Systems**
Windows/Unix/Linux
- **Special Software**

PLM -- Windchill PDMLink, Windchill Project Link, Windchill Parts Link, Windchill MPMLink, SUMA, Nonconference, OData webservice. ESI, Windchill Thing Worx Navigate integration, CAD Integration, Upgrade, WBM

Other Software:

DevOps (Jenkins, Bit Bucket, JIRA, Confluence) , Agile Methodology , Creo, WINSCP, SVN, JXplorer, Putty, FileZilla , Scrum wise (Agile Methodology), JIRA and Service Now

- **Databases**
ORACLE
- **Programming Languages**
JAVA

Education Qualification:

- Bachelor of Engineering in Mechatronics Engineering, SASTRA UNIVERSITY, May 2011.

KEY ASSIGNMENTS (in Chronological Order):

Operations & Recruitment Manager for all Windchill projects (ATCi):

- ❖ Managing the chargeability & utilization of Windchill resources and assign Windchill resources to the appropriate projects.
- ❖ Create required demands and fulfill them by internal team members and recruitment.
- ❖ Playing the role of interviewer to get the best candidates to the Organization.

Windchill SME:

- ❖ Working as SME for Business Proposals for RFCs, providing estimates and participating in the Orals with clients.
- ❖ Played key role in winning multiple projects by providing Estimates & Assumptions.
- ❖ Working closely with Solution Architect for staffing and budget estimations.
- ❖ Managing & Organizing Windchill trainings for new & lateral resources.
- ❖ Leading PTC Asset development team and developing the assets related to Windchill and Integrations. Developed PDMi and Tibco & 3D Experience to Windchill Integration assets.
- ❖ Training candidates on Windchill.

Windchill Implementation for Multinational Automobile Company:

- ❖ Worked as project manager and solution Architect for an End-to-End PLM implementation project. Analyzing existing design, designing to-be design, leading the development and delivery using Agile and DevOps is part of my role.
- ❖ Designed and developed solution in extensively in PDMLink and MPMLink modules.
- ❖ Working on Windchill migration from SAP to Windchill.
- ❖ Organizing the workshops to understand the requirements and prepare POCs and designing the solutions in Windchill.
- ❖ Integrated SAP with Windchill through TIBCO and implemented ODATA webservices to connect with other apps.

Windchill Implementation for Medical Device Manufacture 1:

- ❖ Worked as offshore project manager and Solution Architect for an End-to-End PLM implementation. Implemented and Supported PLM PTC Windchill solution.
- ❖ Created Enhancements to proactively identify/ fix windchill issues as early as possible and mitigate the risk.

- ❖ Implemented Non-Conformance windchill solution.
- ❖ Identified the issues with existing processes and enhanced the process to make the application more robust.
- ❖ Integrated Windchill with Thingworx Navigate.

Windchill Upgrade for Large Electronics Manufacturer:

- ❖ Worked as project manager and responsible for Windchill upgrade.
- ❖ Customer is among one of the first customers to get upgraded to Windchill12. I lead this project and upgraded Windchill from Windchill 11 to Windchill 12.
- ❖ Prepared Project Plan & RACI Chart. Analyzed the implemented Windchill architecture and upgraded the system to Windchill 12 on time.
- ❖ Understood the in detail latest Windchill architecture and configured the same with highest security configurations as per company standards.
- ❖ Integrated Windchill with PingFederate and TCPS configuration.
- ❖ Client has very secured environment. They have introduced different layers of complexities (like Different DMZ, virtual firewall, physical firewall, system firewall and All PORTS are disabled by default and if any PORT has to be enabled it will be based on request). Performed deep-dive into Windchill Architecture and provided the efficient solution on time. (As PTC wont provide much information regarding this it very challenging to achieve it).

Windchill Implementation & Upgrade for Consumer Durable company:

- ❖ Worked as Solution Architect, Technical Designer, Developer and Off-Shore development lead for Design & Development for an End-to-End PLM implementation project.
- ❖ Understanding existing legacy systems and designing & developing the solution in Windchill.
- ❖ Gathering the requirements by working with end users & Designing, Developing change processes in Windchill & workflow customization.
- ❖ Part & BOM management, CAD Data management, Document Management, Change Management,
- ❖ Integrating windchill with SAP and other legacy systems.
- ❖ Lead Windchill 10.2 Upgrade.
- ❖ Coordinating with other vendors (As work was distributed to different vendors) prepare build and Implement it on Windchill server.
- ❖ Creating builds & coordinating with systems team in deploying it.
- ❖ Developed solution in complex scenarios like, Organization acquired another organization , process has to be streamlined for both Organizations.
- ❖ Worked on Windchill migration framework.

Medical Device Manufacture 2:

- ❖ Worked as solution architect and product developer for an End-to-End PLM implementation project.
- ❖ Implemented all main modules of Windchill. Configured Windchill with Cognos .
- ❖ Designed & Developed multiple complex processes in Windchill which are not part of OOTB Windchill version to maximize the efficiency of PLM implementation.
- ❖ Developed Obsolescence process which was well appreciated by client.

Telecom Company:

- ❖ Responsible for off-shore development & maintenance team.
- ❖ Implemented PDMLink & Parts Link and Enhanced features in Windchill.
- ❖ Worked on JNDI Adapter to connect to corporate LDAP , Parallel publishing ,Rehost, Windchill server Administration, CAD worker setup .
- ❖ PartsLink Scoping. (understood existing legacy tool used for classification and parts link scoping is done to get the functionality in Parts Link)
- ❖ Performed server side and UI Customization.

Hi-Tech Company:

- ❖ Worked as Product Developer and Integration specialist for an End-to-End PLM implementation project.
- ❖ Customized Windchill and Implemented Integration solution with other PLM systems and SAP.
- ❖ Implemented solution like BOM,Doc & Change Management , provided solution for implementing Options & Variant solution in Windchill.

Other Key assignments:

- ❖ As a Key member of PLM practice and delivery unit, anchored the initiatives for mentoring and building competency of resources. Trained 70+ resources on Windchill.

Key Achievements...
<ul style="list-style-type: none"> • Played key role in winning multiple PLM deals. • I Have been the “Outstanding Performer” every year and Achieved the ACE award in Accenture, Star Awards in Whirlpool and TCS for showing excellence. • Worked on different roles as solution architect, technical solution designer, implementation consultant, Windchill Integration Developer, Development lead, Upgrade team lead for various clients from diverse industry verticals viz. automotive, Hitech, Telecom, Consumer durables & medical devices • Received appreciation from client (Hi-Tech company) for best planning and on-time upgrading WC from Version 11 to Version 12 with zero issues/defects. Client gave the complement that it’s the best upgrade till date for them.

Other Details:

Validity of US-B1 till 2028
