

## TEK06590 (PTC - Windchill - 14 + Year)

## Highlights

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A total of 14+ years of experience IT and Product Lifecycle Management with specialization in delivery of Windchill Customization, Upgrade and Migration Projects. Experience spans Solution architecting, definition of best practices, estimation of projects, project planning and ensuring quality deliverables from projects. Experienced in executing and leading complex and challenging Windchill Implementations, Customizations and Integration Projects. Responsible for Building PLM resources by providing Windchill specific training on Customization, Upgrade, Migration, Business Administration, System administration and ThingWorx Navigate. IBM Certified Enterprise Design Thinking Practitioner. Currently working as a Solution Architect and a PTC Certified Windchill trainer.

## Skills

### Primary Skills

- Windchill Customization
- Windchill ERP Integration
- Windchill Migration

### Secondary Skills

- Windchill ThingWorx
- Windchill Upgrade

### Other Skills

1. Windchill Suite (PDM, PJI, QMS, DHF, DMR, WRS, MPM, Info Engine, Parts Link, Integrations, Upgrade, Migration, ThingWorx Navigate) Proe/ Creo.
2. Core Java, J2EE
3. XML & Web Services: SOAP
4. SQL.

## Projects

### Project1: Global PLM implementation (37 months)

Global PLM implementation - Participated in senior level discussions with key business professionals to gather requirements, analyze current business requirements and devise suitable solutions. Delivered comprehensive solutions support to ensure that the solution be accurately customized to suit the specific requirements of the business.

### Responsibilities & Contributions:

1. Involved in developing Proof of Concepts, requirement gathering and providing proper estimation for the tasks.
  2. Lead discovery sessions to understand business problems and drive prioritization discussions.
  3. Designed Solution based on business requirements by applying the Design Thinking Approach.
- ERP Integration
    - Release To Manufacturing workflow customization to publish data to SAP.

- Exception Handling for Change Notice.
- Implementation of System Addressing concept.
- Exception Handling for WTPart (implemented separate workflow process).
- Windchill Rest Services
  - Creation of Documents in Windchill from External Application.
  - Designed WRS for Request History of Documents to expose to external systems.
- DHF
  - Designed and implemented Design History File (DHF) Module from Legacy System to Windchill as per 21 CFR Part 820.30 FDA
  - Soft types, Workflows, Access control, OIR, Watermarking, e-signatures & Cover sheet implementation.
  - Linking DHF Documents to the End Item/ Catalogue Item/Finished Good.
  - Designed Reporting framework for DHF.
  - Designed Release process implementing using Promotion Notice.
  - Developed work breakdown structure to deliver proposed work within deadlines.
  - Designed Cover Sheet functionality based on the Approval history of Quality Documents.
  - Designed interface to create SKU in Windchill from external system (eQMS).
  - Understanding the legacy DHF data to migrate to Windchill
  - Types of DHF Documents to Migrate
  - Links b/w DHF Document and End Item/Finished Good
  - Verification & Validation
  - Created Work Instruction document for all rehearsals.
- Provide technical guidance to development and testing teams.
- Identified and mitigated technical risks.
- Conducted Code Reviews & QA reviews.
- Designed, Developed & test prototypes to evaluate design issues.
- Maintained technical documentations, specification and testing reports.
- Designed Integration b/w Jenkins (CI/CD) With Sonar.
- Key Achievements:
  - Strategized, designed & implemented innovative green field implementation for Part, CAD & Document Management in Windchill as Single Source of Truth.
  - Strategized, designed & implemented innovative and complete DHF solution in Windchill as Single Source of Truth for SNN.
- ALM & PLM Integration (Polarian to Windchill).
  - Link & Traceability of Live-Documents in Polarian & Documents in Windchill.
  - Upload the file to Windchill from ALM (Polarian)
  - Request a Windchill Status Change from Polarian
  - Trigger a Polarian Status Change from Windchill
  - Requirement Management Configuration
  - Upload files to Windchill from Polarian
  - Polarian PlmCreateObject function
  - Connection to Windchill
  - Polarian Workflow Configuration
  - Function parameters
  - Windchill Promotion Request Workflow
  - Change Management Capabilities

## **Project2: Modules implemented (13 months)**

### **Modules Implemented:**

1. Supplier Collaboration
2. BOM Effectivity
3. 8D Process Implementation
4. EPDM Migration
5. EBOM Comparison report

6. MBOM Comparison Report
7. Upgrade from 10.2 to 11.0 M020
8. Integrations
  - Windchill, Creo & Anark
  - Teamcenter, Creo & Anark
  - REST Services
    - To create windchill objects from external application.
  
9. Implemented loaders for Migration activity.

### **Project 3: Freelancer (43 months)**

#### **Responsibilities & Contributions:**

1. Understanding customization requirements.
2. Developing customization to meet the requirements.
3. Involved in Unit Testing and design documents.

Weekly internal builds to make sure the changes are stable.