# BALAJI BAPURAO WAGHMARE

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## CAREER OBJECTIVE

A passionate, result-oriented professional with 1+ years of industry experience in Digital Manufacturing and Product Lifecycle Management (PLM). Seeking a challenging opportunity to leverage my Teamcenter expertise for organizational growth while enhancing my technical and problem-solving skills.

## PROFESSIONAL SUMMARY

### Teamcenter Developer

Luminosa Technology Digital Industrial Services Pvt. Ltd. | Pune  
📅 July 2024 – Present

### PLM Engineer

SpiritPLM Solutions | Pune  
📅 Aug 2022 – May 2024

## TECHNICAL EXPERTISE

### Administrative Duties:

• Managed organizational structures, workflows, and project configurations in Teamcenter.

• Developed custom Business Objects, LOVs, and Properties for business processes.

• Configured BMIDE Data Modules, including Project Templates and Rules.

• Optimized search functionalities using Query Builder.

• Administered user access control via Access Manager for secure data handling.

• Customized Active Workspace (AWC) elements for enhanced usability.

• Managed PLM XML Import/Export and utilized Structure Manager.

• Implemented Business Rules (Naming, GRM, Deep Copy, Display) for process consistency.

### Development Contributions:

• Engineered server-side (Batch Utilities, DLLs) and client-side customizations.

• Conducted BMIDE-based data model customizations using codeless and coded approaches.

• Implemented Teamcenter server-side customizations via Batch Utilities, Method Extensions, and Handler Extensions.

• Developed and integrated ITK Action Handlers and Rule Handlers for process automation.

• Created and applied User Exit and Custom Exit functions to enhance system flexibility.

### AWC Configuration:

• Created Table Property, Name-Value Property, and Dynamic Compound Property.

• Designed Custom Workspaces in Active Workspace Client (AWC).

• Modified custom/default icons for Business Objects.

• Configured Custom Themes, Backgrounds, and Tiles.

• Developed Custom Commands, Locations, and Sublocations.

• Customized column configurations in Content Tabs.

• Implemented Advanced Search using property attributes.

## PROJECTS

### Teamcenter Implementation & NX Integration

\*\*Use Case:\*\* A manufacturing company required Teamcenter PLM implementation to streamline data management, enhance collaboration, and integrate with NX CAD software.

\*\*Challenges:\*\*

• Setting up 2-Tier & 4-Tier Teamcenter environments.

• Ensuring seamless NX Integration.

• Managing database configurations and server installations.

\*\*Solution:\*\*

• Installed Teamcenter 2-Tier & 4-Tier, including Corporate Server, Volume Server, and Rich Client.

• Configured Oracle Database, Pool Manager, Web Tier, and Distribution Server.

• Integrated NX with Teamcenter for seamless CAD data management.

• Deployed ICDs via OTW Installer and launched Rich & Thin Clients.

\*\*Impact:\*\*

✅ Established a stable and scalable Teamcenter environment.

✅ Enabled NX-Teamcenter integration for efficient CAD data management.

✅ Improved collaboration between design & engineering teams.

\*\*Skills Used:\*\* Teamcenter Installation & Configuration, BMIDE, NX Integration, Oracle DB, Web Tier Deployment.

### Custom ITK & Workflow Automation in Teamcenter

\*\*Use Case:\*\* Automating Teamcenter workflows to reduce manual effort and enforce business logic through custom ITK and Rule Handlers.

\*\*Challenges:\*\*

• Manually executing certain approval processes and actions slowed operations.

• Standard Teamcenter workflows lacked specific business rule enforcement.

\*\*Solution:\*\*

• Developed ITK Action Handlers & Rule Handlers to automate workflow steps.

• Created Custom Workflow Templates using Workflow Designer.

• Integrated Method Extensions & Custom Exits for business-specific logic.

• Tested and deployed the solution across Teamcenter environments.

\*\*Impact:\*\*

✅ Reduced manual workflow execution time by 40%.

✅ Enforced business rules consistently through automated actions.

✅ Improved Teamcenter workflow efficiency and accuracy.

\*\*Skills Used:\*\* ITK Programming, Workflow Designer, Rule Handlers, Method Extensions.

### Active Workspace (AWC) Customization

\*\*Use Case:\*\* Enhancing AWC usability through custom themes, commands, and UI modifications.

\*\*Challenges:\*\*

• Users required a customized user experience tailored to business needs.

• The default AWC interface lacked necessary commands and properties.

\*\*Solution:\*\*

• Created Custom Workspaces, Themes, and Icons to improve user experience.

• Developed Custom Commands and Locations for quick access to critical functions.

• Configured Dynamic Compound Properties to enhance search capabilities.

\*\*Impact:\*\*

✅ Improved user experience with a personalized AWC interface.

✅ Enabled faster navigation through custom commands and shortcuts.

✅ Enhanced data visibility with optimized search properties.

\*\*Skills Used:\*\* AWC Customization, UI/UX Enhancement, BMIDE Configuration.

## EDUCATION

🎓 Bachelor of Technology (B.Tech)  
Shri Guru Gobind Singhji Institute of Engineering and Technology (SGGSIET), Nanded  
SRTMUN University | June 2022  
📊 CGPA: 6.99

## PERSONAL DETAILS

🏠 Permanent Address: Samrat Ashok Nagar, Jangamwadi, Nanded – 431605.

📅 Date of Birth: 02 DEC 1999.

🗣 Languages: English, Hindi, Marathi.

## DECLARATION

I hereby declare that the above information is true and correct to the best of my knowledge.  
📍 Date:  
📍 Place: Pune, Maharashtra  
  
✍ (Balaji Bapurao Waghmare)