

Abhishek Jagannadham

PLM Teamcenter DevOps
Tech.Lead



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SKILLS

- Teamcenter Architecture
- Teamcenter Installations, Upgrades
- Deployment Center
- YAML
- PowerShell, Batch Scripts
- Gitlab
- CI/CD Implementation
- Deployment Automation
- Upgrade Automation
- DevOps Practices

CERTIFICATES

- Six Sigma Green Belt
- Mendix Rapid Developer

LANGUAGES

English	● ● ● ● ●
Telugu	● ● ● ● ●
Hindi	● ● ● ● ●
Tamil	● ● ● ● ●

PROFILE

With over a decade of hands-on experience, I am a seasoned Teamcenter specialist known for my persistent approach and comprehensive skills in installation, configuration, and administration of Teamcenter and NX. My expertise extends to mastering the design and implementation of CI/CD and DevOps processes tailored for Teamcenter/NX environments. I am on the lookout for a dynamic role that challenges me and allows me to leverage my extensive background to excel further.

PROFESSIONAL EXPERIENCE

ASML Netherlands B.V. - TCS

PLM Teamcenter DevOps Tech.Lead

11/2022 – present | Eindhoven, Netherlands

- Led a team of 9 in handling Teamcenter Installations, Upgrades, Deployments, and Administrative Support across over 20 Environments.
- Conducted successful POC for a fully automated Teamcenter upgrade from Version 14.2.0.5 to 2312.0002 using dc_quick_deploy.xml Deployment Center(2312.0002) via Pipeline.
- Implemented utility_execution_set.exe utility for deploying administration updates, such as Preferences, Stylesheets, Workflows etc.. reducing deployment time.
- Improved YAML configurations using PowerShell functions with Hash Tables, resulting in a more streamlined and robust setup.
- Enhanced automation by deploying Teamcenter Features and New Server Configurations in Deployment Center with dc_quick_deploy.xml and PowerShell scripts.
- Reduced the need for manual intervention by automating updates in the Deployment Center, including changes to Teamcenter infodba, database, and functional accounts passwords, using dc_quick_deploy.xml and a PowerShell script.
- Implemented the Teamcenter installation via Deployment Center, ensuring a quicker setup of Sandboxes.
- Pioneered the use of Deployment Center (14.2.0.5) in a complex Production Environment architecture for Teamcenter upgrade from 13.2.0.8 to 14.2.0.5 reducing the downtime window.
- Contributed to Teamcenter Architectural changes, including the addition of TC Foundation to FMS Master and refining the FMS Cache configuration on remote sites.

ASML Netherlands B.V. - TCS

PLM Teamcenter DevOps Engineer

06/2021 – 10/2022 | Hyderabad, India

- Played a pivotal role in the implementation of the CI/CD process throughout the TC/NX ecosystem, encompassing both Production and Non-Production environments.
- Created YAML, Powershell, and Batch scripts to enhance deployments across various environments, including Production, UAT, SIT, and Sandbox Environments.
- Successfully set up and configured T4EA and T4ST POC Environments.
- Enhanced the efficiency and reliability of deployment automation by refining CI/CD scripts.
- Automated Custom Data Model Deployments with Deployment Center (dc_quick_deploy), streamlining the process.
- Earned Client Appreciation for significant contributions to the successful implementation of CI/CD.



AWARDS

Start of the Month Award

Tata Consultancy Services

Outstanding contribution in leading successful CI-CD Implementation.

Service Commitment Award

Tata Consultancy Services

In recognition of dedicated service

On the Spot Award

Tata Consultancy Services

In recognition of contributing towards Sandbox setup



EDUCATION

B-Tech in Mechanical Engineering

JNTU Hyderabad

2009 – 2013 | Hyderabad, India

ASML Netherlands B.V. - TCS

Teamcenter Administrator

06/2018 – 05/2021 | Hyderabad, India

- Deployed both Out-of-the-Box and Customized Teamcenter Environments, including Single-Box and Distributed, for a range of Development and Proof-of-Concept projects.
- Oversaw approximately 20 Sandbox/Proof-of-Concept Environments, ensuring their effective Deployment, Operation, and Maintenance.
- Gained Expertise in Deployment Center, leveraging it for the Custom Data Model deployments.
- Carried out upgrade of Teamcenter (13.2.0.8) and Active Workspace (5.2.8) via Deployment Center.
- Executed upgrades for Teamcenter (versions TC11.x to TC13.2), Active Workspace (AW4.x to AW5.2), and NX (versions 11 to 19XX).
- Routinely performed Production Environment refreshes to different Environments.
- Managed the build and packaging processes for Customized Teamcenter and NX code, ensuring adherence to the Release Planning.
- Deployed custom release packages across Production, UAT (User Acceptance Testing), and SIT (System Integration Testing) Environments.
- Streamlined build processes through the automation of build steps, utilizing batch and Ant scripts to achieve comprehensive build automation.
- Created a batch script for automating code merges from the Development branch to the Scrum Specific Branch (SSB), drastically reducing manual effort for the developer community.
- Documented installation and upgrade issues in a Confluence page, for knowledge sharing.
- Managed the revision and peer evaluation process of installation manuals for every release, ensuring content accuracy and completion before Production deployment
- Achieved Six Sigma Green Belt Certification, demonstrating commitment to improving operational efficiency through process automation.

ASML Netherlands B.V. - TCS

Teamcenter Support Engineer

03/2014 – 05/2018 | Hyderabad, India

- Managed L1/L2 inquiries and resolved issues for Teamcenter and NX end users, ensuring smooth operation.
- Addressed and resolved multisite issues for Teamcenter objects
- Responsible for user management, including account creation and group assignments within the organization.
- Oversaw the Performance Monitoring of Teamcenter/NX applications to maintain optimal functionality.
- Played a key role in testing various scenarios in Teamcenter to prevent recurring issues.
- Monitored Dispatcher Queue to ensure efficient process flow and system functionality.
- Developed and provided comprehensive knowledge articles for new employees, outlining standard operating procedures.
- Executed updates to Item/Item Revision attributes via IPS Upload, improving data accuracy and integrity.
- Created detailed Knowledge Articles for newcomers, effectively communicating the organization's Way of Working.

Tata Consultancy Services

Assistant System Engineer- Trainee

11/2013 – 02/2014 | Trivandrum, India

Completed Teamcenter Engineering training focusing on installation, Configuration, Customization, and Administration at TCS-Trivandrum.