

# Ketan Lalcheta

[Lalchetaketan022@gmail.com](mailto:Lalchetaketan022@gmail.com)

[+91 - 9909576960](tel:+91-9909576960)

## Profile Summary:

- B.Tech. in Mechanical Engineering with 10+ years of experience in CAD-PLM domain
- Sound knowledge of C++
- Expertise on Creo customization (using C++)
- Hands on experience on Teamcenter customization (using C++)
- Good knowledge of CAD tools (Creo, AutoCAD , CATIA) and PLM tools (Teamcenter, Windchill) with detailed understanding of how manufacturing industry operates
- Worked as a part of Scrum and Waterfall project execution methodologies
- Requirement gathering at client location on USA business visa
- First GET out of 70 to handle shift operation after just 8 month at WELSPUN Corp Limited
- Creo Projects : Extraction, Automation and Customization
- Teamcenter Projects : Extraction, Implementation

## Experience summary:

- Leading 6 people on technical aspects as project technical lead
- Resource management of 3 direct reportees
- Customer requirement understanding (Onsite & Off-shore)
- Requirement gathering from SPOC & group of users
- Project execution planning and execution of project on time
- Project monitoring and ensuring smooth execution with proper mitigation plan
- Client communication
  
- Trained batches of 6 to 8 trainees on FlexSim, AutoCAD ,Creo automation
- Peer review of all deliverables including documentations and executable
- Conducting final testing of application before application release
  
- Excellent ability to work as development engineer on challenging projects
- Feasibility of critical requirement and provide workaround if feasibility fails
- Good analysis skills and approach towards desired solutions
- Preparation of spec doc and test plan

## Organizations:

- Currently working with HCL, Pune since January 2019 as Technical Lead
- Worked with
  - Tata Technologies Limited, Pune from December 2016 to December 2018 as Team Leader
  - L&T Technology Services, Baroda from March 2011 to November 2016 as Assistant Manager
  - World's second largest pipe manufacturing industry, WELSPUN CORP LIMITED, Anjar, India from July 2010 to February 2011

## Education:

Course	Institute	Year	Secured
B.Tech. - Mechanical Engineering	Nirma University , Ahmedabad - Gujarat	2010	7.8 / 10 CGPI
H.S.C.	Gujarat State Education Board	2006	11 <sup>th</sup> Rank in Science Merit
S.S.C.	Gujarat State Education Board	2004	89 %

# Ketan Lalcheta

[Lalchetaketan022@gmail.com](mailto:Lalchetaketan022@gmail.com)

[+91 - 9909576960](tel:+91-9909576960)

## Technical Skills:

Programming Languages	C++ (Advance), Excel VBA (Basic), Flex Script (Advance)
Tools	Visual Studio, BMIDE, Redmine - Project Management Tool
CAD Customization	Creo (Advanced), AutoCAD (Intermediate), CATIA (Basic)
PLM Tools	Teamcenter (Intermediate) , Windchill (Basic)
Programming Concepts	Data Structures, OOPs, Algorithms, Concepts of C++ 11, MFC (Basic)
Version Control System	SVN

## Training and Certifications:

- Certified Mendix Developer (By Mendix Siemens)
- Advance simulation training (By FlexSim USA through web-ex)
- Teamcenter - user role, admin Role , ITK developer , SOA, RAC and Active Workspace customization (External faculty organized by HCL)
- CATIA V5 customization using CAA (Internal faculty organized by HCL)
- Creo customization (Internal faculty organized by L&T Technology Services)

## Projects:

### Project 1 – Creo Customization:

Project Name	Master Quality Controller
Description	➤ The project comprises of implementation of custom checks responsible for ensuring quality of CAD files
Task	<ul style="list-style-type: none"><li>➤ Analyze requirement</li><li>➤ Conduct critical feasibility</li><li>➤ Conduct final testing before UAT</li><li>➤ Customer interaction and report preparation</li></ul>
Tools	Creo, Visual Studio
Languages	C++, Pro-toolkit

### Project 2 – Teamcenter Server Customization – ITK:

Project Name	CAD Data extraction from Teamcenter 11.6
Description	➤ The project comprises of server side development to extract CAD data
Task	<ul style="list-style-type: none"><li>➤ Extract Creo Data from Teamcenter for migration project</li><li>➤ Report of missing named reference</li><li>➤ Extract metadata for Items of PPC group</li><li>➤ Extract NX data from Teamcenter with respect to BOM</li></ul>
Tools	Teamcenter, Visual Studio
Languages	C++, ITK

### Project 3 – Creo Customization:

Project Name	Bulk Check-in of data into windchill
Description	➤ The project comprises of development of customized toolkit application which would do bulk check-in of Creo data into windchill

# Ketan Lalcheta

[Lalchetaketan022@gmail.com](mailto:Lalchetaketan022@gmail.com)

[+91 - 9909576960](tel:+91-9909576960)

Task	<ul style="list-style-type: none"><li>➤ Update parameters into all CAD data and designate parameters</li><li>➤ Bulk check-in of data into different context, maintain data dependency and checkout update of existing data</li><li>➤ Report generation of check-in status , model CHECK errors and dependency model details</li><li>➤ Analysis of data and it's issue</li><li>➤ Identification of non-Creo CAD data and it's check-in</li></ul>
Tools	Creo, Windchill
Languages	C++, Pro-toolkit

## Project 4 – Creo Customization:

Project Name	Smart Feature Library Development
Description	<ul style="list-style-type: none"><li>➤ The project comprises of development of customized hole features (as per mfg. practice) and revolve features (pipe ends as per ISO)</li></ul>
Task	<ul style="list-style-type: none"><li>➤ Requirement gathering from group of users</li><li>➤ Preparation of project plan and execution of project on time</li><li>➤ Peer review of all deliverables including documentations and executable</li><li>➤ Conducting final testing of application before application release</li><li>➤ Feature development using Creo toolkit API</li></ul>
Tools	Creo
Languages	C++, Pro-toolkit

## Project 5 – Creo Customization:

Project Name	Auto BOM Ballooning on drawing file
Description	<ul style="list-style-type: none"><li>➤ The project comprises of development of a package that reads e-BOM provided by SAP development and place BOM and Ballooning into Creo drawing file</li><li>➤ Tool maintains out of the box functionalities of Creo like split balloons, move balloons, parametric BOM with balloons, Ref Balloons</li></ul>
Task	<ul style="list-style-type: none"><li>➤ Onsite requirement gathering</li><li>➤ Preparation of spec doc and test plan</li><li>➤ Preparation of project plan and execution of project on time</li><li>➤ Feasibility of critical requirement and provide workaround if feasibility fails</li><li>➤ Peer review of all deliverables including documentations and executable</li><li>➤ Conducting final testing of application before application release</li><li>➤ Client communication</li></ul>
Tools	MS-Excel, Creo
Languages	C++, Pro-toolkit

## Project 6 – FlexSim Simulation:

Project Name	Simulation Project –Existing plant
Description	<ul style="list-style-type: none"><li>➤ The project comprises of development of a 3 –D model of current plant</li><li>➤ Bottleneck identification and plant run with proposed resources [Increase or decrease in MHE, Mixers etc.]</li><li>➤ Safety measures with proposed resources</li><li>➤ Analyze capital efficiency by proper space utilization to decrease number of MHE</li></ul>

# Ketan Lalcheta

[Lalchetaketan022@gmail.com](mailto:Lalchetaketan022@gmail.com)

[+91 - 9909576960](tel:+91-9909576960)

	<ul style="list-style-type: none"><li>➤ Reduction in distance travel by pallets to analyze operating cost</li></ul>
Task	<ul style="list-style-type: none"><li>➤ Conducting feasibility for development of real life event into model</li><li>➤ Analyzing data provided by clients and incorporating processed data into model</li><li>➤ Test plan and full validation of the model</li><li>➤ Assisting team members to validate model, to prepare input for model and to build up a logical block for specified problem</li><li>➤ Deciding what – if scenarios with design team and updating model for run of such scenarios</li></ul>
Tools	MS-Excel, FlexSim
Languages	Flex Script, VBA, VB.Net

## Project 7 – AutoCAD Automation:

Project Name	Westrace Interface Automation tool
Description	<ul style="list-style-type: none"><li>➤ To Read inputs from excel files</li><li>➤ To generate drawing as per inputs for Westrace as well as non Westrace circuits used for Indian railways</li><li>➤ Dynamic generation of drawing showing index for generated drawings</li><li>➤ Generates Bill of Material</li></ul>
Task	<ul style="list-style-type: none"><li>➤ Development of Application.</li><li>➤ Concept development.</li><li>➤ Project Delivery adhering to the Deadlines and with very high quality.</li><li>➤ Complete technical documentation including specification document, user manuals etc.</li></ul>
Tools	AutoCAD
Languages	VB. Net