

Curriculum Vitae



MANDAR B. KULKARNI

Wallenstein Str. 64, Nürnberg 90431.Germany.

E-Mail: mandarkulkarni@protonmail.com

Mobile:0049-17620327723

Res : 0049-911-21537380

URL : www.telemetryinnovations.net

🎯 Career Objectives:

- Ensure **customer success** through business transformation by enabling customers to adopt smart Innovation and digitalization to gain and maintain business leadership.
- *Contribute efforts and knowledge for a forward-visionary organization to Manage, design, develop and deliver the world-class products and services to his clients.*
- *Develop a challenging career in, Directing and Managing, leading-edge business technology and teams, through innovative strategies and futuristic approaches.*

Business & Software Skill-set:

- *Artificial Intelligence & EA: Problem analysis & solution design >> "AI-for business transformation", ML, Deep Learning, NLP, Analysis & Design, exploring packages & tech with business problem, architecture consulting, realizing and implementing solution architectures, Cloud based services, N-tier web apps, soft skills including leadership and team player, analytical & Problem Solving.*
- *Management: Portfolio / Program / Project Management / Process Management/ Solution Management / Systems Management*
- Updated skills: **AI, Data Science, German B1/B2**, IoT, Analytics & Data Visualization, Big Data, Cloud IaaS/PaaS/SaaS, Digital Business Models, **E A**, python3.x, spark, No SQL
- PLM Skills: Teamcenter, Active Workspace Client (AWC) / Rich Client / Thin Client (UA/ Enterprise) installation, configuration, customization and Development, UML
- Development tools & CAD Packages: C, C++ /Java/J2EE/JSP/XML/HTML5, GWT, TC Customization, ITK, VB, OOPS, *IDEAS NX / C3P*, CATIA-V4, ICEMSurf, NX AutoCAD

Educational Qualifications:

EDUCATIONAL QUALIFICATIONS	SPECIALISED SUBJECTS / PROJECT.
M.M.S. (Systems Mgmt ~ Master of Management Science)	Analysis and Design of information Systems & Management Information Systems, University of Pune, Apr 2000
B.E.Mech. (Bachelor of Mechanical Engineering)	Mechanical Engineering/ <i>Project: Finite Element Analysis. / Grade: Distinction / Score: 75% DV</i> , Pune. Aug 2002
D.M.E. (Diploma in Mechanical Engineering)	Mechanical Technology/ <i>Project: Automatic collapsible ladder / Grade: First Class / Score: 61%</i> BTE, Mumbai. Nov 1993
D.B.M. (Diploma in Business Mgmt.)	Business Management /Project :Managing software Projects / Grade : First Class / Score : 64% University of Pune Apr 1999

Professional Qualifications and Skills:

PROFESSIONAL CERTIFICATION	SKILLSET	CERTIFYING AUTHORITY
PMP (Certification. ID : 1355806)	Project Management worldwide Industry standards & skills, tools.	Project Management Institute, USA
Deutsch B1 Beruf	German Language B1/B2	Telc (Association of Language testers Europe)
I-DEAS Professional (CAD and CAE)	I-DEAS Master Series(<i>Modeler, Assly, Drafting Mechanism</i>) Simulation.	Design Tech.
DCAD (Diploma in CAD)	AUTOLISP, AutoCAD, Logic Dev., C.	DATAPRO
DCAM (Diploma in Comp App & mgmt.)	Visual Basic, MS-Access, EXCEL, WORD, PP <i>Score : Grade B+</i>	Computer Edu. & Consultancy Inst.
Geometric Internal Certification	TC Unified, Teamcenter Enterprise Training , C++, Java	Geometric Ltd. (No cert. issued)

MANDAR B. KULKARNI

Wallenstein Str. 64, Nürnberg 90431. Germany. **E-Mail:** mandarkulkarni@protonmail.com **Mobile :** 0049- 17620327723 **Res :** 0049-911-21537380

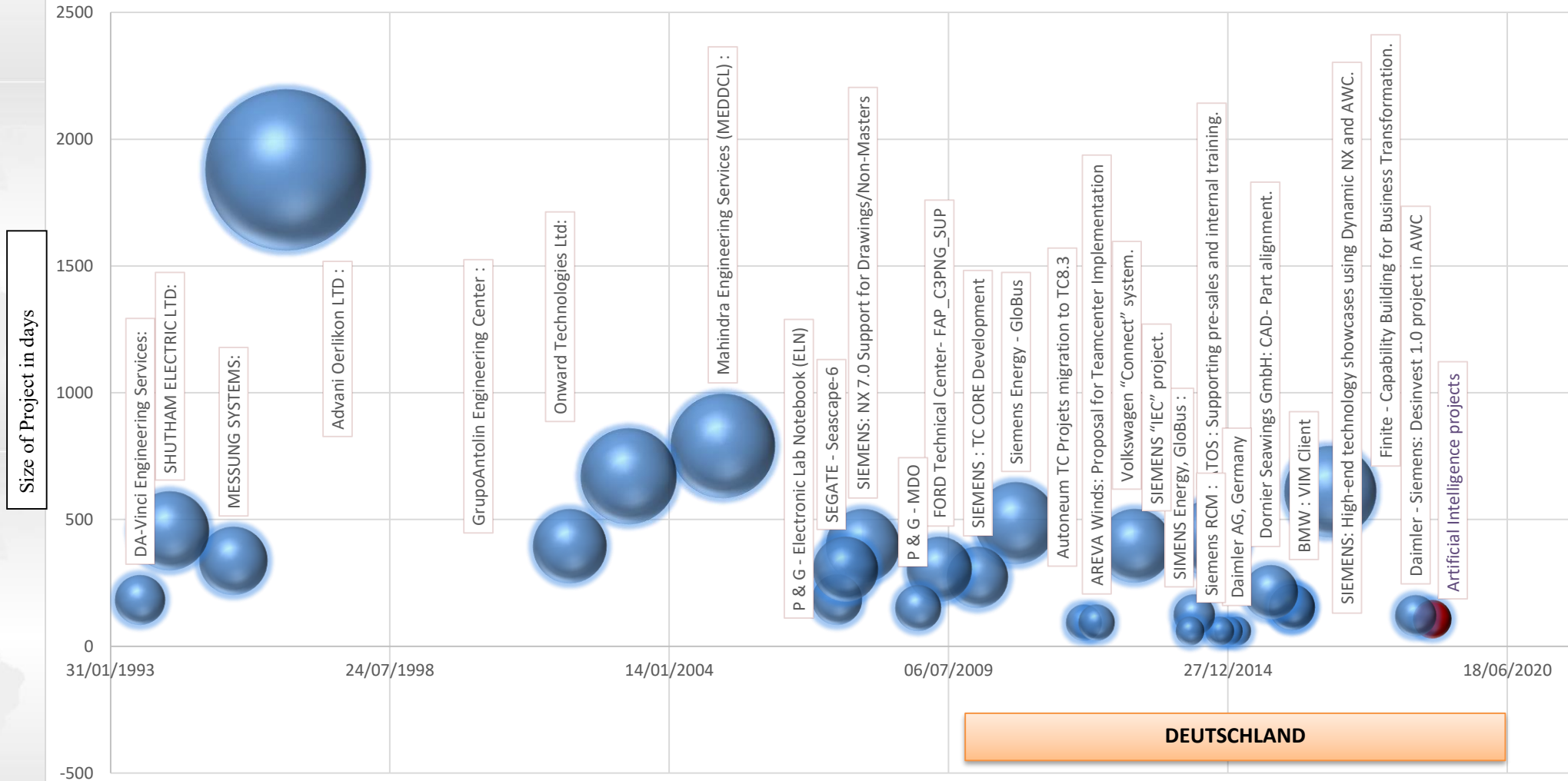
Experience Summary:

Total Professional Experience including AI / IT / PM / Automobile / mechanical:	20+ Years
AI /IT/PM and Consulting Experience: AI, TC Unified/Engineering/Enterprise	Approx. 16+ Years

Employer	Date		Years	Role / Nature of Work	Accomplishments
	From	To			
Finite Telemetry Innovations UG	Dec 2016	Till Now	2,5	Enterprise Architect & MD: Artificial Intelligence (AI / KI) , Architect for digitalization of the core business. Innovative Solutions using AI technologies, end –to-end business processes. Proposing innovative approaches to deal, & manage with dynamic technologies. Preparing Proof of Concepts for challenging and complex business problems.	<i>Innovative Solutions to align and upgrade businesses with AI technologies.</i>
Atos IT Solutions and Services GmbH	Feb 2013	Sept 2016	3.5	Senior Consultant: (Including solution architect and other roles.) Solution Architecture, Development, Implementation & Consulting and approaches, including site consolidation. Preparing Pre-sales proposals and acquiring know-how on new technologies to share across teams and customers.	<i>Focus on customer success& transformation.</i>
PRION GmbH (Accenture)	Mar 2012	Jan 2013	1	PLM Project Lead: Managing project related activities and implementing the Teamcenter. Installations and configuration, customization of TC Unified.	<i>Successful implementations and Happy customer.</i>
Piterion GmbH	Nov 2010	Feb 2012	1	Senior PLM Consultant: Consulting, development, ensuring customer get what they need and enhancing more on customer interaction.	<i>Handling customer and PLMXML</i>
Geometric Software Solutions Ltd.	Jul 2006	Nov 2010.	4	Senior Sr.E/TL: Consulting, guiding and providing PLM solutions to various clients of Geometric across the globe. Teamcenter customization and development, using latest technologies.	<i>PLM Implementation, Customer and Projects Management.</i>
Mahindra Engineering Services	Feb 2005	Jul 2006	1,5	PLM Consultant: Providing engineering solutions by coding & Customization of Teamcenter Enterprise at M&M, R&D Nasik Scorpio plant requirements. (SMI / LCM / ECN / PCR / BOM / VarCre)	<i>Systems are working productively in Production environment</i>
Onward Tech Ltd.	Feb 2004	Feb 2005	1	Asst manager: Project Management / Co-ordination with overseas clients / Designing and Modeling Automobile Components	<i>Satisfied Customers</i>
GrupoAntolin Engineering Center	Sept 2002	Feb 2004	1,5	CAD Engineer: Surfacing & Data Mgmt. Creating Assemblies and Solid Models for car Interior components using IDEAS-9.2 C3P (Rarely used CATIA / ICEMsurf). Exposure to PLM.	<i>Achieving critical targets set by customers in terms of finishing dates for cad deliverables for various car interiors programs</i>
Advani-Oerlikon Ltd.	July1996	Sept 2002	6	Design Engineer: Product Development & Projects Execution. CAD/CAE -- Developing Software Solutions-- SPM Building.	<i>Cash Award and happy customers.</i>
Messung Systems	Oct1995	July 1996	1	R & D Engineer: Design and develop new models for the product like PLC and prepare designs.	<i>Product Development</i>
Shutham Electric Ltd.& Da Vinci	Feb 1994	Oct 1995	2	Design Engineer: Design and Mfg. Of precession tools for Automotive Switchgears. & for Da Vinci, Cad Designs.	<i>Manufactured precision Tools related to Production</i>

Project Details Summery

Project Details Summery Timeline



MANDAR B. KULKARNI

Wallenstein Str. 64, Nürnberg 90431. Germany. **E-Mail:** mandarkulkarni@protonmail.com **Mobile :** 0049- 17620327723 **Res :** 0049-911-21537380



Project Details

Artificial Intelligence projects (Customer confidential).

Working on AI Based Work Reporting & AI based MPFe.

AI-for business transformation, use-case analysis, Algorithm Implementation, ML, Deep Learning, NLP, Analysis & Design, exploring packages & projects including OpenCV, Keras, SpaCy in context with business problem

Daimler - Siemens: Desinvest 1.0 project in AWC.

Project Type : Management workshops for process definition and solution evaluation.

Primary Skills : TC UA, AWC, Admin, workflows, Testing and validations.

Sub Skills : Agile project management, Team work, Dis-investment process

Main Software : Teamcenter AWC and related software.

Project Description: This project is aimed to provide desInvest processes using Teamcenter Active Workspace, and integrated technologies and capabilities. Responsibilities included like Workflow design, Testing, Providing & providing solutions and solution approaches.

Finite - Capability Building for Business Transformation.

Skills development & Capacity building for business transformation and digitalization projects.

- ✓ Upgrading Technical know-how to take challenges of, translating 'Technology' into 'Real Business Benefits' for customers.
- ✓ Approach analysis for digital transformation of customer's business which includes,
- ✓ Identifying and analysing complexities & work out solutions, unique to customer business problems, with best available technology.
- ✓ Every new technology may not bring value addition to your business. (So we do not kick the ball in Goal on every pass we receive)
- ✓ Analysing and recommending, the Technology that matters most to customer's business, that too if relevant for your situation.
- ✓ Bring the value and benefits of modern technologies to customer's core business.
- ✓ Perform fit analysis for, 'Business Problem' Vs 'Technology'. And then implementation plans using different types of analysis.

Now equipped with skillset to provide the eagle's eye overview of the business digitalization solution, specific to customer's business. S pecifically developed skills are,

- ✓ Designing architecture, selecting solution components and proposing the best approaches to ensure customer's success.
- ✓ Digital Business Models, AI, Data Science, IoT, Analytics & Data Visualization, Big Data, IaaS/PaaS/SaaS, E A, python, spark
- ✓ Focus on objective to help customer, realise the smart success equation, "Better + Faster + High Quality + Cheaper = Smarter".
- ✓ Exploring 'Business digitalization engagement opportunities and projects', including Enterprise Architecture and consulting.
- ✓ Broaden the vision of the organisation to become trusted AI and Solution Architecture Partner/Vendor for leading businesses.Re-Defining and refining the Business Model and Revenue Model.

MANDAR B. KULKARNI,

Wallenstein Str. 64, Nürnberg 90431. Germany. **E-Mail** : mandarkulkarni@protonmail.com **Mobile** : 0049-17620327723 **Res** : 0049-911-21537380

SIEMENS: High-end technology showcases using Dynamic NX and AWC.

Project Type : Building environment for Siemens to showcase latest technology capabilities using PLM and integrations.
Primary Skills : TC UA, AWC, Admin, Customisation, Setups.
Sub Skills : Platform and setup based on cloud and elastic infra, for SAS Business Model
Software : Teamcenter / PLM, Canopy cloud.

Project Description: This project is developed to provide the prospected siemens customer teams to showcase and experience, the Teamcenter and integrated technologies capabilities.

Responsibilities : Designing architecture, selecting components and proposing the appropriate cost effective approaches with state of the art project, Building entire setup from scratch and co-ordinating with teams to realize the technology display in line with today's best available PLM technology in the world using cloud.

BMW : VIM Client

Project Type : AWClient for BMW (Technology realization issue mgmt.)
Primary Skills : TC UA, AWC, Admin, Customisation, Team building.
Sub Skills : BMW Home grown technologies for business transform.
Software : Teamcenter / PLM

Project Description : This project contains combined client based activities, focusing on challenges faced by customers and supporting our teams to solve the complexities in areas virtual automobile building activities.

Responsibilities : Identifying issues, Team building, deployments, analysing issues, setting up environments.

Dornier Seawings GmbH: CAD- Part alignment.

Project Type : Consulting for aircraft building in Teamcenter context.
Primary Skills : Requirement analysis, Consulting, TC UA, Admin
Sub Skills : Consulting, Usecase Analysis, Complex TC and Business Process analysis.
Software : Teamcenter / PLM, NX, NX integrations, Excel VBAs

Project Description : This project was in context with developing amphibian aircrafts (Land as well as water take off/landing), for Dornier Seawings GmbH.

Defining strategy for CAD-Part alignment and proposals for implementation of CAD-BOM alignment was integral part of the assignment.

Responsibilities : Discussions with various aircraft construction technical teams and top management to understand their as-is process. Analysing the issues and re-defining the best approaches in co-ordination with top management, to achieve maximum efficiency with minimum efforts.

ATOS : Supporting pre-sales and internal training.

Worked on Teamcenter, PLM implementations and configurations projects for esteemed customers. Worked on Pre-sales activities, followings are the details.

Project Type : Presales analysis and evaluation of solution with strategies.
Primary Skills : Teamcenter Unified and fair business practices.
Sub Skills : TC development and project management& solution management.
Software : Teamcenter / PLM

Project Description : This project contains combined client based activities, focusing on challenges faced by customers and supporting our teams to solve the complexities.

Responsibilities : Prepare presentations and analysis of the situations to propose most appropriate solution. Work with local & global, internal teams / customers to workout most beneficial approaches to deal with different situations to ensure the success. Also acquire know-how and practice Smart Innovations and industry 4.0 to propose strategies for upcoming assignments.

MANDAR B. KULKARNI

Wallenstein Str. 64, Nürnberg 90431. Germany. **E-Mail:** mandarkulkarni@protonmail.com **Mobile :** 0049- 17620327723 **Res :** 0049-911-21537380

Daimler AG, Germany

Project description • Impact analysis on ASPLM requirements due to adopting AWS client. Activities / Responsibilities Analyse the impact of AWS on requirements. Propose the best approaches.

Siemens RCM :

Project description • Support newly setting up environment for TC10 Activities / Responsibilities • Understand and prepare architecture to bring in visibility. Support and suggest the solution to requirements with proposed approaches.

ATOS AWS project:

Project description • AWS knowledge update. Activities : Updating knowhow for new client Release and formulate quick learnings for teams and updates.

SIMENS Energy, GloBus :

Project description • GloBus Release- 2.1.

Activities / Responsibilities : ITK Development and coding for SIEMENS Energy, to add the functionalities in the system. Worked on providing solution for service requests related to Customisation of BOM calculations.

SIEMENS "IEC" project.

Project description • IEC is Siemens prestigious project serving for SIEMENS Business Units.

Activities / Responsibilities • Analyse the production issues.

- Design solution and write Detailed Design Specifications.
- Communication, Data collection and problem definition.
- Co-ordinating information between customer and implementation.
- Consulting and proposing the solution.
- Resolving Issues related to Supplier Relation Management.

Volkswagen "Connect" system.

Project description • Performance Monitoring and Analysis- TCUA and Infrastructure.

Activities / Responsibilities

- Identify and analyse the problem areas in Connect system.
- Provide the reports and information to guide the customer in bridging the gaps in the system.
- Draft project plan and process for solution approaches.
- Communication, Data collection and problem definition.
- Data analysis and processing.
- Consulting and proposing the solution.
- Audi site consolidation, and bringing all Audi data to VW servers and sites.

Autoneum TC Projets migration to TC8.3

Teamcenter Setup and MigrationAutoneum

Project Type : Deployments, configuration, customization and Management

Primary Skills : Teamcenter Unified, problem analysis and problem solving

Sub Skills : TC development and product maintenance and management.

Worked on Teamcenter PLM implementations and configurations projects for customers like Autoneum, in the capacity of PLM Project Lead. Activities related to migration and TC projects upload was carried out during this period. Also understood requirements right from scratch and transformed them into the solutions. I have performed admin activities as well as client handling.

MANDAR B. KULKARNI,

Wallenstein Str. 64, Nürnberg 90431. Germany. **E-Mail** : mandarkulkarni@protonmail.com **Mobile** : 0049-17620327723 **Res** : 0049-911-21537380

AREVA Winds: Proposal for Teamcenter Implementation

Project Type : Concept design, implementation, configuration, customization and Management
Primary Skills : Teamcenter Unified, problem analysis and problem solving
Sub Skills : TC development and product and management.
Software : Teamcenter9.1

Customer proposal for implementation of Teamcenter for Areva winds, customer was engaged in using excel. So proposal consists of introducing TC features for business prosperity.

Siemens Energy - GloBus

Project Type : Deployments, configuration, customization and Management
Primary Skills : Teamcenter Unified, problem analysis and problem solving
Sub Skills : TC development and product maintenance and management.
Team size : 130
Software : Teamcenter 8.0,SAP, C, C++, XML, XSLT

Project Description

GloBus refers to the Global Business for Siemens energy. With more than 2000 users and 6 locations across the world. I was contributing here by Providing solutions to customer and handling issues related Teamcenter and Application Interfacing with Teamcenter. Engineering processes from GloBus are interfaced with Logistic processes in SAP(ATLAS). Here I had got an opportunity to contribute in strategic areas and Architecture / Design , Configurations, Workflows, Optimization, Configuration and Integration of Teamcenter with external system. **Responsibilities** Preparing PCR(Product Concern Reports) usability reports, analyzing expected value addition by the PCR and providing views to management. Managing tasks related to automated Organization updates and synchronizing the information from Business in the Teamcenter Workflows, Transfer modes, Server side customization and testing functionalities for bugs.

SIEMENS : TC CORE Development

Project Type : Development/Design/Testing Role : Consultant
Primary Skills : Teamcenter Unified and Engineering, ITK and client side.
Sub Skills : TC development and product maintenance and management.
Software : Teamcenter, Java, C

Project Description

In this project I was involved in Product Development activities for next release of Teamcenter. Here I have also fixed various Problem Reports for various clients related to teamcenter various releases. That involves creating simulated setup of the customer environments, then reproducing and analyzing this problems and providing fix and solutions to respective clients. **Responsibilities** Dataset Grouping and data control based upon the user preferences and Business Object Constants for multisite environment.

Interacting with various specialized teams and delivering the solutions within given time frame.

Creating various reports and their analysis for presenting info to customers.

FORD Technical Center- FAP_C3PNG_SUP

Project Type : Production Support Role : Consultant
Primary Skills : Teamcenter , IDEAS, Ideas Mgr, CATIA, Catia Mgr.
Sub Skills : Multisite and Application integration understanding with C3P.
Platform : Windows , Unix
Software : Teamcenter, Java, C

Project Desc: Ford has Teamcenter sites across the globe and has extensive integration and customization for this implementation. All sites follow the C3PNG practices to ensure the consistent and quality output at various stages of products lifecycle. **Responsibilities** : Analyzing and fixing the issues faced by Ford designers and product managers at various sites. Interacting with various specialized teams and delivering the solutions within given time frame. Creating various reports and their analysis for presenting info to customers.

P & G - MDO

Project Type : Development/Design/Testing Role Consultant

MANDAR B. KULKARNI

Wallenstein Str. 64, Nürnberg 90431. Germany. **E-Mail:** mandarkulkarni@protonmail.com **Mobile :** 0049- 17620327723 **Res :** 0049-911-21537380

Primary Skills : Teamcenter Model and Method coding, Java, XML
Sub Skills : Eclipse IDE, Clearcase Platform: Windows , Unix
Software : Teamcenter, Java, C

Project Description: P&G was one of the major and proud projects for Geometric. Module MDO was dedicated for marketing and development of consumer goods. P&G has done extensive customization on this module as well. I have also received the Synergy Award, for this project from Geometric in H1 FY09 for outstanding quality. **Responsibilities :** •Customizing the existing code further for region based search. •Updating java scripts and action components for Display related info. •Fixing and resolving bugs. •Creating design documents.

SIEMENS: NX 7.0 Support for Drawings/Non-Masters

Project Type : Development/Design/Testing/Analysis
Primary Skills : Java, TC Unified, ITK, C++
Sub Skills : Eclipse IDE,DMS
Software : Java, TC Ent

Project Description: NX 7.0 Support for drawings/Non Master project was implemented for introducing new features into Teamcenter, which copies the teamcenter data type drawings and related, from NX, without invoking Teamcenter session for the same. Also all action to be carried out on this drawing type like send to PSE, Copy Paste in PSE should maintain integrity and relationships as per required business logic. This is applicable for Multi-site, Attached Datasets and related item revisions. Etc .Here I have also fixed number of PRs, raised by various Customers. So reproducing and simulating customer setup for the PRs and fixing them were the major activities I performed.**Responsibilities:**Involved in the design and development functionalities in server side as well as rich client with a proper Project lifecycle management process. Writing SRS, SDD and Smoke Test cases is the value addition along with the code development. Rich client development Involved in resolving rich client customization related issues. Good exposure to the code of various versions of Teamcenter was added advantage in this project.

P & G - Electronic Lab Notebook (ELN)

Project Type : Development/Design/Testing
Primary Skills : Teamcenter Model and Method coding, Java, XML
Sub Skills : Eclipse IDE, Clearcase Software:Teamcenter, Java, C

Project Description : P&G was one of the major and proud projects for Geometric. Module ELN was dedicated for from consumer goods domain. P&G has done extensive customization on this module as well. I have received the award, for this project from Geometric. **Responsibilities:**•Developing Customized and combined search for records. •Writing action components for updating functionalities like strike records. •Updating file attachment validations. •Fixing and resolving bugs. Creating design documents.

SEGATE - Seascope-6

Project Type : Development/Design/Testing/Analysis/Administration
Primary Skills : Teamcenter Model and Method coding, XML, JSP, Tomcat
Sub Skills : Eclipse IDE Software:Teamcenter, C

Project Description: Seascope is designed for hi tech electronics segment for leading hard-disk manufacturer. The client had named the module has seascope 6.0. **Responsibilities :** I got an opportunity to lead the team for this project. As a part of the Seagate development team the major responsibilities executed by me are: •Process Change Authorizations for Slider Mechanism •BOM Upload from other CAD systems like Mentor. •Setting up of Default LC for selected objects depending on their class. • Reviewer's choices for approval and rejection. • S5Autoclosure for closing all temporary ECR. • Testing document behaviors with BIDC including Effectivity Validations and testing.

MANDAR B. KULKARNI,

Wallenstein Str. 64, Nürnberg 90431. Germany. **E-Mail :** mandarkulkarni@protonmail.com **Mobile :** 0049-17620327723 **Res :** 0049-911-21537380

Mahindra Engineering Services (MEDDCL) :

OEM Customization and Implementation of new functionalities in PLM domain using Teamcenter.

Client Mahindra & Mahindra Ltd. Automotive Sector (Research & Development).

Organization: Mahindra Engineering Services (MEDDCL) serving all automotive products of Mahindra & Mahindra Ltd.

Languages : VB6, Teamcenter Model and Method coding language , RDBMS Oracle9I

PLM Solutions: Teamcenter Enterprise 4.0

Tools: VisView / Visual Source Safe for Version control

Description : Implementation of PDM/PLM systems at Mahindra & Mahindra Ltd. Automotive Sector is a distributed database environment system implementation across distant locations. The clients are heterogeneous including MS Windows 98 to MS Windows XP. The implementation at this site is an in-depth and vast usage of Teamcenter functionality. Systems like Engineering Change Management, Process BOM, SAP interface, Engineering & Product Concerns Management, and Document Management etc are efficiently implemented using customizations in Teamcenter.

Responsibilities : As a part of the customization& implementation team the major responsibilities executed by me are:

- Customizing the Prototype Development (MPDS) business objects in to the system and their workflow.
- Implementation of SAP-Teamcenter connectivity for SAP 4.7 upgrade.
- Revision Control & Auto updating of BOMs of various models in different views based on flow of Engineering Change Note in the lifecycle.
- BOM Variants management including BOM comparison facility for BOMs of different models.
- Implementation of Product Concern Reporting System.
- Macros development for formatting of output generated for standard MS Excel export files generated by exporting data from PDM systems
- Implementation of new systems as per requirements generated.
- Maintenance of existing systems and customization for new and existing systems.

Onward Technologies Ltd:

Worked in Onward technologies Ltd. as assistant manager / Project leader and handled projects related to automobile component design and 3D modeling, using IDEAS C3P methodologies. Worked on modeling of Automobile components for various customers like Intent Inc (for car A/C - evap. components) ,Intier seating (for Seating) and Borg Warner TTS (for power transmission assembly and complex models like transmission case-cover) etc. All modeling is done as per the standards specified by customers. Also worked as Internal auditor for ISO 9001: 2000. **Services :** Design Consultancy and 3D modeling for automotive components.

GrupoAntolin Engineering Center :

This company is based in Spain and is one of the giant manufacturers of the car interiors like Headliners, trim parts and also seats and door panels. My contribution in this project was limited up to design and modeling of interior components for given car programs. I have used IDEAS/C3P for completing following tasks.

Nature of work:Managing huge Product related data using TDM and Metaphase (IDEAS).Re-mastering of class A and B or C surfaces for Automobile interior components.Solid modeling / Surface Modeling / Assembly.IMI Checks for **Metaphase** part updation with the help of extended connection of Metaphase through Tarantella. (Got the exposure to PLM first time)Checking surface quality, assembly Interferences and updating parts/assemblies accordingly. e.g. Routing of hoses and ducts.GD and T for parts.Preparing first frame information for models.Creation of 2D drawings.Tracking the project progress based on complexity matrix and project deadlines and weekly reporting to customer / on-site coordinator. Interaction with customer / on-site coordinator for problems and possible solutions. Library management and administration for IDEAS C3P. And rarely do I use ICEMSurf or CATIA for surfacing. **Services :** Design and 3D modeling/surfacing for automotive INTERIOR components.

Advani Oerlikon LTD :

Worked for AOL in Research & Development Department. This is an **ISO-9002** certified company. I was working here on automation projects which involves Design of Special Purpose Machines for welding applications and providing technical support to marketing WAPS.

Products: Welding Systems , Special Purpose machines for welding automation, High Current Rectifiers, Welding Equipments.

Nature of Work:* Designing and developing Special Purpose Machines for welding automations and providing solutions for productivity.

* Preparing the proposals and drawings for automated welding systems so as to maximize the productivity of customer's application.

* Product development (All phases of development cycle. i.e. Design & simulated Assembly using I-DEAS Master Series and product Standardization)

* Developing the in-house software to design the products (e.g. HF Transformer design using VB-6.0, MS-Access, Auto lisp & AutoCAD)

MANDAR B. KULKARNI

Wallenstein Str. 64, Nürnberg 90431. Germany. **E-Mail:** mandarkulkarni@protonmail.com **Mobile :** 0049- 17620327723 **Res :** 0049-911-21537380

* Designing and developing the std products like Sheet Metal components, Welding SPM etc.

Accomplishments: I have received a cash Award from Mr.S.V.Hasabnis (Director AdorPowertron Ltd., Pune) for developing cost effective solution and CAD/CAM interfacing. Apart from preparing Product/ Machine Models, assemblies and production drawings, component selections like Gearbox, Motors, and Bearings for various products, I have also developed computer based systems that assist the engineers and designers to improve productivity.

Mechanical Projects AOL:

Sr No	Project / Product	Contribution in Development
1	Submerged arc welding Automation system for Indian Railways. (S.P.M.)	<i>Design, Documentation, Project execution and Implementation.</i>
2	Development of welding job petitioners for heavy engineering jobs.	<i>Design and Product standardization</i>
3	Improvements in existing Products like welding machines.	<i>Conceptual Design, and Dev.</i>
4	Fabrication for Various Control Panels for Exide / Alstom /VRLA/DC	<i>Drive panels. Sheet metal Structures</i>
5	Development of SPM for Die Rebuilding system.	<i>Sub-Assemblies ,Detailing and Project Execution</i>
6	Development of high speed flux testing setup	<i>Project Planning, Design, Project Execution.</i>
7	Preparation of Various welding automation proposals along with cost and general arrangement drawings.	<i>Conceptualization, design and costing.</i>

Software Projects forCAD and Product Designing AOL:

1. Sheet Metal blank Dimensioning and CAD/CAM interfacing System.

Software: [Auto-cad](#), [Auto lisp](#), [VB](#).

Role : System analysis, Coding, Testing, Documentation and System support.

Description: The aim of this project was to develop the complete system for designing and preparation of drawings for sheet metal blanks. This system takes 1:1 sheet details in Auto-cad as I/P & processes data parameters in Auto lisp. This processed data will prepare 1) Program to load on cnc turret punching and in Punchcam compatible format. The dimensioned Drawing. 2) Checks design for available tools and prompts to change design if tool is not in stock.

🏆 **Award:** This system has been honored by giving me cash award for developing a "cost effective solution"

2. Transformer design software. For designing and manufacturing of the HCR and HVR (Rectifiers) up to 100 thousand volts.

MESSUNG SYSTEMS: *Here I delivered, in the capacity of Engineer R&D, from 13th Oct. 1995 to 15th July 1996 in R&D Department.*

Sector and Products: High tech electronics / Programmable Logic Controllers for various manufacturing Machines.

Nature of Work: -Product and Vendor Development, Preparing manufacturing drawings.

Accomplishments: Design of fixtures for production of PLC, Vendor development and interaction with vendors.

SHUTHAM ELECTRIC LTD: *Worked as a Design Engineer, from 1st Oct. 1994 to 12th Oct 1995 in Design & Development Department. SHUTHAM was technically collaborated with LUCAS, UK.*

Sector and Products: Automotive / Switchgear systems for automobile industry e.g. TELCO, Bajaj Tempo, Ashok Leyland, HM etc.

Nature of Work: * Product Design, Coding the drafting & designing programs in Auto lisp.

Accomplishments: * Designed and Development of tools required for switch assembly and Writing CNC programs for wire-cut EDM & Vertical Milling Machine and Production line setup for automation.

DA-Vinci Engineering Services: *Worked as a CAD Engineer.* **Sector and Services:** Design and consultancy / Conceptual Designs of engineering systems, Isometric & exploded views of assemblies for Visualization of systems, Drafting & Design of various components for various organizations e.g. Saunders Valves (I) Ltd., KCS etc. **Nature of Work:** Conversions of concepts in CAD Geometry and Writing programs in 'C' and Auto lisp to minimize the repetitive documentation

Permanent Residence: Germany.

Nationality : Indian

Family status: Married and 2 kids.
