

RESUME

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NATARAJ SETTU

SUMMARY

Result oriented mechanical design lead engineer with 15+ years of experience in gas turbine R&D and engineering services with proven records to manage large projects and accomplish goals.

Self motivated team player with interpersonal skills to lead projects, of cross- functional nature, with demonstrated ability to completion with quality and ahead of schedule.

A competent professional familiar with all aspects of product development willing to take up challenging and future-oriented roles in a reputed organization.

WORK EXPERIENCE

Engineering Lead, Infosys Ltd

2007-2018

Project: Alstom Power Gas Turbine Engines R&D

- Extensive experience in R&D of turbine parts for F class and H class GT engines (GT24, GT26, GT36-S6 & S5) from definition till manufacturing.
- Expertise in design and development of hot gas path components such as stationary vanes, rotating blades and heat shields to satisfy all aspects of design requirements involving cross functional teams (Aero, Mechanical Integrity, Cooling, SAF and Manufacturing) interactions.
- Lead a team of 18 design engineers and responsible for quality, schedule and productivity.
- 13+ years of hands on experience and proficient in preparation and review of complex 3D models and assemblies for turbine parts in Catia V4, V5 and UG NX8.5.
- Experience in developing turbine parts using additive manufacturing (SLM) with effective problem-solving skills and adapt to the frequent change in design.
- Provided design support on various new technology projects involving alternative and innovative technical solutions.
- Apply DFMA principles with comprehensive knowledge in various manufacturing processes.
- Proficient in creation and review of component drawings for various stages of manufacturing, assembly drawing, and engine cross section drawing.
- Preparation and review of technical notes, detailed design reports, inspection & testing plans, assembly instructions and bill of materials for turbine parts.
- Excellent knowledge in handling complete Product Data Management (PDM) using Siemen's Teamcenter for both Catia and NX.
- Proficient in tolerance stack up analysis with GD&T and SAF leakage study.
- Experience in engine upgrade, MCR, NCR analysis, product support on field issues.

Project : Ansaldo Energia CAD data conversion to NX 8.5**Team size : 60****Baden, Mysore, Moscow, Karlovac**

- Responsible for studying various methods of CAD data transformations from CATIA to NX8.5 and arrive at a quality & cost-effective solution.
- Preparation of detailed project plan using Microsoft Project by taking into consideration of resources available (60) at 4 different countries, schedule and more than 10,000 CAD data to transfer from various departments.
- Resource allocation based on priority, scope and schedule.
- Preparation of KPI metrics reports to monitor the health of the project and present to internal & client management during bi-weekly, monthly and quarterly status meetings.
- Over all 3.5 years of experience at customer location with involvement in supplier discussions, technical review meetings, supporting R&D activities and co-ordinate with multiple offshore sites.

Engineering Analyst, Infosys Ltd**2005-2007**

- Preparation and review of 3D models & drawings for turbine and compressor parts for various manufacturing stages following Alstom's standard and best practices using Catia V4 and V5.
- Participate in design review meetings to understand the requirements and implement the changes needed to satisfy all cross functional teams.

Graduate Engineering Trainee, I.D.E.A Ltd, Chennai**2003-2005**

- Preparation of component drawings for boilers, pressure vessels and storage tanks using AutoCAD 2000 and MicroStation.
- Preparation of technical report on storage tanks and HVAC design.

**ADDITIONAL
RESPONSIBILITIES
&
ACHIEVEMENTS**

- Travelled to Moscow to present about Infosys capabilities on GT services and won a project for Infosys worth 500 k EURO billing.
- Successfully executed the role of "Deputy Security Officer" for ALSTOM/Rolls-Royce PDA and ANSALDO PDA to maintain data security and have passed client audits every year.
- Travelled to Baden and Moscow for project co-ordination and new employees integration.
- Successfully executed the role of "Knowledge Management Anchor".

**SKILLS
HIGHLIGHTS**

Gas Turbine R&D	Proficient in Catia V5 and NX
Complex problem solver	Multi-site co-ordination
Large projects management	Cross functional team management
Strong technical aptitude	Proven ability on business development.
Basic knowledge in German	Strong interpersonal and team leadership skills

EDUCATION**B.E, Mechanical Engineering, 85.6%****2000-2003**

Shanmugha College of Engineering (Now SASTRA Deemed University), Thanjavur
Overall university 3rd rank holder of 2003 batch from Bharathidasan University.

Diploma in Mechanical Engineering, 92.2 %**1997-2000**

Overall college topper from Govt. Polytechnic, Trichy