PERSONAL INFORMATION

Srikanth THIPPAIAH NAGARAJU

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SUMMARY

Mechanical Engineer with Specialization in Aerospace Structures and Electrical Harness – Airbus A350/A380, CATIA V5.
NGid: NG51295

WORK EXPERIENCE

7.5+ Years in Aerospace Structures and Harness Design for Airbus Gmbh and France SO

1 Year 8 months in Freelancing for Small Scale Mechanical Industries, Bangalore

29 Jun 2015 – Present (3+ years)

Senior Engineer - Design at AXISCADES Engineering Technology Ltd.

Project: **A350-FAL Concessions, ATA53/57/55 – AFDCI**

Role: Onsite/Offshore Focal, QC responsible.

Description: Performing T100 task working in AFDCI BU on Airbus A350 – Final Assembly Line Concessions. Concessions include the area in and around Wing box, Belly Fairing, Fuselage Orbital Joint, Main Landing Gear, RAT doors, B-Brackets from FAF, VTP, Floor Panel etc. Providing suitable solution to the Concession related to damages like oversized holes, bent, scratch, Delamination, Flaking, Clash, Gaps, Mislocated parts, Missing parts, Karman Noise etc in Structural parts of the Aircraft belonging to ATA53, ATA55, ATA57, ATA92 and ATA25. Primary tools used are CATIA V5, Trend V4, Airbus A350 VPM, PASS SSI (PDMLink SSCI), SAP – PAC.

03 Dec 2012 –26 Jun 2015 (2 year 8 months)

Senior Engineer at P3 India Consulting Pvt. Ltd. (P3 Group India)

Project 1: **PDR / CDR and Installation drawing creation of A-Brackets –AirbusA350 – 900/1000 composite structures**

Role: Team Focal, execution and QC responsible

Description:

PDR- In PDR the aim is to place A-Brackets on the Structural parts of the Aircraft as per the rules suggested in RSDP document. Care has to be taken for the correct butting of the bracket on the structure while taking into account the deviation from the proposed IP. Using the master list it is required to create / modify / delete BFH containers and IPs as per the requirement using A350 VPM and PDM link SSCI.

CDR- In CDR the scope is for HnF (Holes and Fasteners) creation. System provision holes and Fastener holes are created using the Generative Shape design module of CATIA V5. Then the fastener design is done using selection of fastener type and process code as per the standard COMO confining to Airbus Rules. These fasteners are then placed exactly on the butting point of the brackets placed during PDR process.

Installation Drawing Creation- The scope is to create 2D single part and Installation drawings for the A-Bracket Assemblies on A350 composite structures. Input is through VPM from where we get the CATIA environment and assemblies. 2D drawings are created using drafting in CATIA V5 after analyzing the reference drawing as per requirement

in live environment. ECN and BOM are created using PDM Link SSCI. All the standard info of the DS is updated and a Drawing Set is Created after the creation of the Single part drawing.

Care has to been taken for maintaining 2D-3D consistency along with technical accuracy and avoiding all formal errors of a 2D installation drawing. Primary tools used are CATIA V5, Airbus A350 VPM, PASS SSI (PDMLink SSCI)

Project 2: **Full 3D Harness Check for A350 – 900/1000**

Role: Team Member, execution and QC responsible

Description: Project involves checking the **harness Installation** and principles for Airbus A350-XWB. Understanding the process and methods to check for the clash between Harness and Standard parts like P-Clamp, Brackets etc. Also checking the Correct mounting principle and Mounting sequence as per the Airbus specified Standards. Other checks involved checking for the length of Standard parts, correct metal compatibility between fasteners/structures, BOM check, check for the DQN's TRS and other queries raised by the customer. Final deliverable would be the documents with check results and suggested changes as per quality requirements. Primary tools used are CATIA V5, Airbus A350 VPM.

18 Apr 2011 – 30 Nov 2012 (1 year 6 months)

Mechanical Engineer at **Alten India Pvt. Ltd**

Project 1: **Airbus A380 Harness Installation -3D CHECK / 2D CHECK (NCF)**

Role: Team Member

Description: Check for quality in Electrical Wiring harness Routing / Installation (L928 & L929) using 3D mock-ups for routing, Installation and Manufacturing feasibility. After the Input study, the Clash & Segregation Analysis is done according to TDD & SIDP rules. Onsite coordination is required in case of last minute design changes in the mock-ups, update in the 3D/2D check rules and clarification of technical disturbances in the change documents. Primary tools used are CATIA V4, Dvise DMU, Trend V3, GILDA, ZAMIZ etc.

Project 2: **EYIL–CADQualitycheckforA350-900**

Role: Team Member

Description: Project involves CAD Quality check for **ATA25** Systems and Cabin Equipment from Suppliers for AirbusA350. All input CATIA.catpart and .cgr files are run through CATIAV5 QChecker and quality of the entire CAD design is validated. Correcting the data according to ATA25 chapter and the rules mentioned in the supplier guideline. Primary tools used are CATIA V5, Trend V4.

30 June 2009 - 31 Mar 2011 (1 year 8 months)

Free Lancing for Small Scale industries in Bangalore

Role: Team Member

Project(s): Developed concept and simple Mechanical models using CAD tools like UG NX, CATIA V5, SOLIDWORKS, PRO E Wildfire. Customer interaction for collection of data required for the project.

EDUCATION AND TRAINING

Graduated in June 2009: Bachelor of Engineering in Automobiles

Malnad College of Engineering (VTU), Hassan (India)

Jul 2006 – Jun 2007: CADD CENTRE Bangalore

Master Diploma in Mechanical CADD: This covered 5 CADD tools; CATIAV5, Pro-E Wildfire 2.0, Autocad 2006, MSC. NASTRAN, MS PROJECT and their basic modules.

28 Jan 2013 – 02 Feb 2013: Airbus Engineering Center India Pvt Ltd., Bangalore(India)

Airbus Validation Training for PDMLink SSCI and A350 VPM.

14 Aug 2016: Airbus Engineering Center India Pvt Ltd., Bangalore(India)

STRU Concession creation from PAC (T100 ANDD).

24 Nov 2016: Airbus Engineering Center India Pvt Ltd., Bangalore(India)

Concession creation from PEA (Originator).

PERSONAL SKILLS

Mother tongue(s) Kannada, Telugu

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Hindi	C1	C1	C1	B2	B2
French and German	A1	A1	A1	A1	A1

Levels : A1/A2: Basic user- B1/B2: Independent user-C1/C2: Proficient user

Organizational/managerial skills: Always proactive in taking up responsibilities in the assigned project(s). Have successfully introduced best practice methods in most projects and have effectively reduced the man hours without any compromise in the quality of work. Have a zest to always go deeper into the basic concepts which lead to the current work that is assigned. Do the Root cause analysis for both the project and the problems faced in its execution.
Also started a Motorcycle club at Bangalore in 2009. Organizing of short rides once a month and along 2-4 day rides quarterly is taken care by me and other moderators of the club. Deciding upon the destinations, accommodation, route map etc is mostly my responsibility.

Computer skills: Very proficient in Airbus methodologies and processes. Good hands-on experience in aero structural design using CAD tools like CATIA V5R21, Pro-E, Solidworks, NASTRAN, Autocad, UGNX etc.
Proficient in all basic MS office programs including MS project. Also an expert in MS Photoshop, Adobe Reader/Editor etc.

Interests: Motorcycle Riding, Cinematography, Hollywood, Road trips

Nationality: Indian

Passport: H6911061 (06/08/2019)