**RESUME**

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| **CAREER OBJECTIVES:** |

To utilize my technical skills for achieving the target and developing the best performance in the organization. I would like to implement my innovative ideas, skills and creativity for accomplishing the projects.

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| **SUMMARY:** |

* A Seasoned professional with over 9 years of commendable success in:

~Design & Development ~Electrical Harness ~Modeling, Drafting & Detailing ~Aero structure design ~Sheet Metal Design ~Project Execution

* Experience in Solid modeling, Surface modeling, Sheet metal, Electrical Harness, Assembly and Drafting, using

Catia V5 in Automotive, Aerospace and Electromechanical product development.

* Electrical Harness routing based on the synoptique and connectors & device list
* Hands on experience in aircraft products such as Fixture design and tooling process.
* Knowledge in Airbus aircraft design methods and procedures.
* **Onsite exposure interaction with multicultural team**.

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| **TOOLS:** |

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| CAD Software | CATIA V5, SIEMENS-NX, PTC CREO, SOLID WORKS, CADAM. |
| AIRBUS | PRIMES, PDM LINKS, TAKSY, TOTEM, ZAMIZ. |

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| **TRAININGS / CERTIFICATIONS:** |

* **Successful completion of on-site Training on FULL 3D DDC (**Electrical Harness**) in A350 at Sogeclair Aerospace, France**.
* Certification for Definition Dossier Check (2D Validation-A380) from High End Engineering GmbH.
* Successful completion of benchmark test held by Sogeclair Aerospace on every year for A350.

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| **ORGANIZATIONAL EXPERIENCE:** |

**Since Jan 2018 to Till Date with** **Engineering Consultant: Triad Square InfoSec Bangalore.**

Contract Electrical Harness Integration, FTA and Drawing activities with **Alstom Transport India Limited**, via

**Tech Mahindra**.

* Key Result areas:
* Electrical Integration team for Alstom (MPL16 and Amtrak) – Delivery of Electrical Harness Integration outputs
* Electrical Harness routing based on the synoptique and connectors & device list
* Bundling of wires based on the classification/grouping both HV and LV cables
* External grounding braid creation for ICNG.
* Sheet metal and Electrical Harness routing for Cubicle (RERING)
* New Design and Design Revision, 3D FTA, creation of 2D Drawings, Design Reviews and Quality Checks for various Locomotive projects using CATIA V5 and ENOVIA
* Product Data Management through DMA –ENOVIA, ex: BOM generation, Release process.
* Use of Q-checker tool to check the design and implement changes required. Daily activities include Change Management,

**Since Jan 2016 to Dec 2017 with J.L. Engineering Industries Bangalore as Sr. Design engineer.**

* Key Result areas:
* Modelling and drafting using Catia V5 and SIEMENS-NX tool.
* Detail design and Development for Automobile, Electronic, Machining, Welding components and Press tool.
* Detail drawing and manufacturing drawing with GD&T information.
* Carrying out the meetings for understanding to freeze requirements.
* Quality checks of 3D part and drawing.
* Highlights:
* Design development and modification.

**May 2009 to Dec 2015 with AvioHelitronics Infosystems Pvt. Ltd. Bangalore as Sr. Design engineer.**

Key Result areas:

* Entrusted with the responsibility of handling:
* Design modification and manufacturing drawings of Weapon-Stores for Defence Application.
* Modelling and drafting for Aircraft components, structures and Wire Harness.
* Detail drawing for electrical installation, manufacturing with GD&T information of aircraft.
* Re-engineering of aircraft parts by scanning and Detailing of the Part.
* Design Quality checks for various aircraft of Airbus projects.
* Detail design and Development of Jigs and fixture for machining components.

**Projects:**

* **Design & Development, drafting and Quality checks:**
* Weapon-Stores Redesign for Defence Application (Twin Missile Launcher and Quad Missile Launcher -MBDA).
* Modeling and detailing of Vertical Tail Assembly, Hinge Arm Assembly of Airbus A330, Ribs.
* Digitization of Flap Track Fairing Assembly for Boeing 767 and Structure Defence Parts for NIRBHAY – ADE.
* Digitization of Brackets for Bulkhead 16,17,18,19 & 20, Nose cone adapter for PSLV – ISRO.
* Detailing of Aircraft support assembly of Airbus A350.
* Definition Dossier Check (Validation Check): Airbus A380 and A350.
* Full 3D DDC (Definition Dossier Check)– A350 - **I underwent onsite training for this project in Toulouse France for duration of one month.**
* **Electromechanical Assembly:**
* Electromechanical Design and Development of Test benches and ITAs (Interface Test Adapters) for Mirage 2000.
* Design and development (R&D) for DMM (Digital Moving Map) and IHH for Mirage 2000, MIL-Grade GPS System for INDIAN NAVY and AHRS (Attitude and Heading Reference Systems), and Avionics enclosure systems.
* **Electrical Installation**:
* Electrical and Avionics Installation for Navy aircraft and Light Combat Aircraft applying Mil Std 5087B and 5088L.
* Electrical Harness bundle creation DMM (Digital Moving Map) and IHH for INDIAN NAVY
* Quality check for Airbus A380P-800 and A350.

**Major customers:**

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| AIRBUS | BODO ON STAGE GmbH | ADA | THALES | HAL | Alstom |
| HEE GmbH | SOGECLAIR AEROSPCAE FRANCE | TAML | DRDO | NAL |  |

**Oct 2007 - May 2009 with Pawaskar Engineer in Pune as Design engineer.**

* Key Result areas:
* Carrying out the meetings for understanding to freeze requirements.
* The preparation of technical data, technical specification and presentations.
* Design and development (R&D) of bracket design for CNC Machine - 3D solid modeling, surfacing, drawing conversion and data migration of components.
* Highlights and Projects.
* Design, development (R&D), modification and BOM creation.

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| **ACADEMIC DETAILS:** |

* Bachelor in Mechanical Engineering from University Visvesvaraya College of Engineering in 2007, Bangalore, Karnataka.

Date:

Place: BANGALORE Roshan MURDESHWAR