## SUNDARAJAN RAJU

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Aylesbury, United Kingdom

Dedicated and competent Electrical Engineer with 13 years experience in Electrical & Telecom industry seeking an opportunity to put into practice my skills and abilities.

**Key Competencies & Skills**

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| **Skill** | **Proficiency** |
| Packages | MS Office |
| Electrical Tool Skills | Ebase, AutoCAD, SAP, Team Centre, Smart System, Promise, Rule Stream, Compass |
| PLC Modules worked | SIEMENS SIMATIC S7-200, S7-300, S7-1200.  ALLEN BRADLEY COMPACT LOGIX AND FLEX LOGIX I/O MODULES |

**Employment Summary**

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| S.NO | Organization | Role |
| 1 | Tata Consultancy services, Chennai | Assistant Consultant |
| 2 | Siemens Technology and Services Pvt Ltd | Associate Consultant |
| 3 | Atos IT Solutions and Services Pvt Ltd | Senior software Engineer |
| 4 | Converteam | Design Engineer |
| 5 | Change pond Technologies Limited | Senior Design Engineer |
| 6 | Megawin Switchgears | Design Engineer |
| 7 | Eswaran & sons Switchgears | Design Engineer |

**Experience Summary**

* Hands on experience on Detailed Secondary Design Engineering and Development of Medium Voltage (11/13.8/22/33kV) and Low Voltage (480/600V) Switchgears, Preparation of Power & Control panels for Water Treatment plants, Preparation of Power & Control cable summary & Cable/Wiring interconnections for Gas Turbine plants.
* Has field experience in **Testing and Pre- Commissioning** of Switchgear panels for various sites.
* Interpretation of customer specification and Interacting with customer for technical query & initiating the process of approval from customer for manufacturing of Switchgear panels
* Prepare drawings and bill of material package for manufacturing that includes device BOM, Single Line drawings, General arrangement drawings including Front view, Elevation, Panel layout drawings, **Power & Control Schematic diagram** and Electrical wiring.
* Attended various kick off meetings with major stake holders.
* Generate Purchase Material, Create, Extend materials for different Project plants, upload BOM in SAP and update SAP during Approval & release process.
* Coordination with Purchase, Manufacturing, Testing team in Shop floor to get the jobs done within agreed time.
* Implementing project plans within deadlines and defining best practices for project support and execution.
* Quality check of drawings as per design and device Bill of materials. Has knowledge on Industry standards such as IEC, ANSI.
* **Industries supported:** Power Plants, Heavy industries, Automobile, Airport, Hospital, Water Treatment plants, Food processing
* **Customer supported:** Shell Technology Center, Boeing, Atlanta Airport, Caterpillar – USA, Royal Commission, Saudi Arabia
* Experience involving projects for Fibre to Premises (FTTP) and Fibre to Cabinet (FTTC) Networking.

**Current Assignment**

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| Project | British Telecom |
| Customer | Open Reach, Aylesbury, United Kingdom |
| Role | Quality Analyst |
| Description | * Fibre to Premises (FTTP) and Fibre to Cabinet (FTTC) Networking involving Line card recording and NI data projects for internet provision to Residential and Commercial buildings. * Experience in EMBD and EMP projects for Ethernet and Service Planning. * Involved in KSU2 projects for FTTP networking. |
| Tools | Piper, INS, BERT |

**Previous Assignment-1**

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| Project | GE Water – Off shore |
| Customer | GE – Power & Water |
| Role | Team Lead – Power & Control panels |
| Responsibilities | Design of Low voltage (480V) Power & Control panels for Water Treatments types like Reverse Osmosis, Electro deionization |
| Description | * Interpretation of customer specification & Interacting with customer for technical query. * Co-ordination with the appropriate vendor for new devices to be incorporated in drawings. * Provide technical inputs to team on selections of Variable frequency drives, Motor starters and **PLC controllers** for construction of single line. * With reference to **Piping and Instrumentation drawing (P&ID)**, Digital & analog Input & output list generation. * Creation of Power panel, Control schemes & Communication drawing using **Siemens Simatic S7-300, AI/DO Expansion module and** **Allen Bradley** **CompactLogix input and output module.** * Creation of Enclosure and Back panel drawings and prepare Bill of materials in SAP. * Release Final drawings for manufacturing. |
| Tools | Autocad, Promise, SAP |

**Previous Assignment-2**

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| Project | Design of Low Voltage Switchgear – Offshore |
| Customer | Siemens Energy & Automation |
| Role | Team Lead – Design of Low Voltage (480/600V) Switchgears |
| Description | * Detailed Engineering of Low voltage WL Switchgear and Arc-resistant Switchgear. * Interacting with customer for technical query & initiating the process of approval from customer for manufacturing of panels. * Generate Purchase Material in SAP through Ebase and update SAP during Approval & release process. Release Spare parts & Manual line item in SAP. * Preparedrawings and bill of material package for manufacturing that includes device BOM, Elevation drawings, and panel layout drawings. * Prepare Power schemes and Control schemes for various Protection features. * Prepare breaker control interlock logic schemes such as Auto transfer schemes including Open transition and Closed transition using **Siemens Simatic S7-200 and S7-1200 PLC Controllers.** * Hands on experience with **Modbus, Profibus and Ethernet communications.** * Hands on experience working with **SEL, SIEMENS, ABB, SCHNEIDER, GE, BECKWITH, WOODWARD, BASLER** protection relays. * Release the Switchgear for manufacturing and produce As-Built drawing to customer. |
| Tools | E-Base, SAP, Team Centre, Smart system, Compass |

**Previous Assignment- 3**

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| Project | Design of Medium Voltage Switchgear |
| Customer | Megawin Switchgears |
| Role | Design Engineer – Design of Medium Voltage (11/22/33 kV) Switchgears |
| Description | * Preparing tentative General Arrangement drawing as per customer enquiry. * Development of drawing such as GA, SLD, BOM, Power and Control circuits diagram for the entire panels. * Coordination with manufacturing team to get the job done within agreed time. * Getting the approval from the customer for manufacturing of the panel and send the final approved drawing to customer along with panels. * Getting the customer enquiry and estimate the panel as per customer requirement. * Visiting to various customer sites for discussing the preliminary site conditions. |
| Tools | Autocad, MS Office |

**Qualifications**

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| **Course** | **University** | **Major and Specialization** |
| B.E(Bachelor of Engineering) | St. Peters Engineering College,  Anna University, India | Electrical &Electronics Engineering |

PERSONAL PROFILE

Name : Sundarajan Raju

Date of Birth : 14-05-1982

Gender : Male

Marital status : Married

Languages Known : English, Tamil

Nationality : Indian

DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge.

Date:

Place: (SUNDARAJAN RAJU)