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| **Rajkumar**  ***Electrical Engineer-(MEP) & Project Engineer-Electrical (MEP) Professional***  **Mobile:** C/o 971504973598 **E-mail:** [rajkumar.180407@datachampion.com](mailto:rajkumar.180407@datachampion.com) | Untitled |

**Profile Synopsis **

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Versatile, Dynamic, and Gulf experience professional equipped with 11+ years record of delivering key significant contributions towards companies’ continued business growth. Demonstrate robust competency in handling a wide range of duties in domains of Senior Electrical Engineer, Project Management, Design Engineer, Planning, Estimation, Installation-troubleshooting-commissioning of metering devices, testing, electrical machine maintenance, calibration, implementation, and project report. Have executed several turnkey projects providing management oversight for all phases of the production, performing duties such as estimation, bill of quantities preparation, setting procurement resource projections, scheduling, progress monitoring, site coordination, execution, testing and commissioning of electrical installation works and team supervision. A deadline-driven and safety-oriented Engineer with strong technical know-how as well as excellent analytical, problem-solving, supervision, decision making, time management, leadership, technical, communication and interpersonal skills. Seek a challenging work profile to utilize gained knowledge, experience and management skills that will have a valuable impact.

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| **Strengths & Skills** | |
| * Gained 11+ years experience within diversified industry * Civil/HVAC/Plumbing/Fire Fighting coordination skills * Adept in Drawings/Project Specification & Execution * Estimation/Planning/Costing & BOQ Preparation skills * Excellent Team & Manpower Management Capabilities | * Expertise in Electrical & Project Management skills * HV/LV & ELV Installation-Testing/Commissioning skills * Liaised with Clients/Contractors for Project Completion * Strict Adherence with Health/Safety & Quality standards * Result-driven – Dynamic – Vibrant Personality |

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| **Educational Qualification** |

**Bachelor’s Degree in Electrical & Electronics Engineering 2006**

*Ranipet Engineering College - Anna University, India*

**Diploma in AutoCAD LT2006 – Electrical**

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| **Career Progression** |

**Electrical Engineer –** *Jazal Engineering & Contracting LLC, Abu Dhabi, UAE* **May 2017 – Nov 2017**

*One of the leading Contracting Companies in MEP Services*

**Senior Electrical Engineer –** *Sterling & Wilson Electrical Pvt. Ltd., Mumbai, India* **Mar 2014 – Mar 2017**

*One of the leading Contracting Companies in MEP Services*

**Electrical Engineer –** *Emirates Trading Agency LLC, UAE* **Nov 2010 – Jan 2014**

*A subsidiary of ETA ASCON Group reputed in contracting, manufacturing, property development and construction services.*

**Electrical Engineer –** *Al Mashariq Trading & Contracting Co., Jubail, Saudi Arabia* **Jun 2009 – Jul 2010**

*One of the leading contracting companies in electrical, electro-mechanical civil and telecommunications field in the KSA*

**Electrical Engineer –** *Sterling & Wilson Electrical Pvt. Ltd., Chennai, India* **Jul 2006 – May 2009**

*One of India’s leading contracting organization offering MEP services.*

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| **Key Achievements** |

* Gained 11+ years experience within a diversified industry in domains of Senior Electrical Engineer, Project Management, Design Engineer, Planning, Estimation and Clients Relations.
* Developed proficiency in the utilization of technical knowledge related to voltage, current, power, voltage drop, cable sizes, and conduit size requirements per Electrical Codes and Standards.
* Achieved consistent career progression in Electrical Engineering field within India and GCC countries.
* Obtained intensive experience in the estimation and calculation of construction materials required on site and other variable costs.
* Effectively maintained prompt and efficient coordination between engineering disciplines, operations, contractors and vendors resulting in the smooth implementation of works as per plan and specifications.
* Track record of timely completion of electrical engineering projects of various types and complexities. Easily recognize and communicate effectively technical issues to colleagues and management.
* Possess capabilities in providing solutions to complex natured operations issues plus a strong commitment to delivering excellent work performance even in the difficult and pressurized environment.

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| **Areas of Expertise** |

**Electrical Engineering – Construction**

* Responsible for daily Electrical Engineering project. Organize a team of Electrical Engineers, Draftsmen, Supervisors, Foremen, and Technicians. Support the Project Manager & Design Manager in accomplishing the goals and set targets.
* Review tender drawings and prepare shop drawings (e.g., lighting, small power, power, load schedule, single line drawing, and earthing).
* Manage lightning protection, fire alarm, central battery, voice evacuation, and structured cabling, public addressable, and CCTV systems. Submit shop drawings as per the agreement of the Consultant/Client in a timely manner.
* Identify the suppliers, arrange the material submittals, review the submittals and get approval from Consultant/Client.
* Classify the subcontractors, arrange the pre-qualification submittals, review the submittals and get approval from Consultant/Client.
* Organize technical submittal from approved subcontractors, review the submittals & get approval from Consultant/Client.
* Arrange the regular internal, subcontractors and suppliers meetings. Plan and execute as per Consultant/Client requirements. Attend the regular technical and progress meeting with Consultant/Client and kick off the issues.
* Plan; allocate the team of staffs and labors on the project and office as per Consultant/Client time schedule.
* Ensure the take-off of the quantities from approved shop drawings, prepare Material Request, and place the order to correspond suppliers, finalize the delivery confirmation and arrange the materials as per project requirement.
* Oversee Erection, Installation, Testing and Commissioning of RMU, QRM, Transformers, Switch Gears, LV Panels, MCC, DB's, Control Panels, Isolators, Light Fixtures etc., as per scheduled time.
* Supervise daily work progress, monitoring subcontractor's safety and development in construction activities regarding the electrical work.
* Follow the HSE, identify and assess Health & Safety issues and production of Risk Assessments and method statements. Coordinate electrical work with Architectural, Civil, Structural, Mechanical and Specialist disciplines on the project as well as design.
* Prepare IR for 1st fix, 2nd fix, pre-grid, wall, floor, final fix & inspect all works to ensure Consultant/Client is acceptable.
* Hand over the project step by step as per Consultant/Client scheduled time period.

**Electrical Project Engineer**

* Perform functions related to electrical project engineering, such as cost estimating, designing packaged equipment control and wiring systems, processing orders, and interfacing with customers.
* Administered instrument installation, instrument cable laying, conduit installation, JB installation, hook-up installation, inspection and calibration, and loop checking; as well as checking accuracy for getting the design output.
* Responsible for designing, developing and maintaining electrical control systems in a project. Maintain the electrical components as per the required specifications.
* Manage the budget of a project and also on factors like reliability and quality while providing service.
* Develop design and manufacture electrical equipment. Involved from the conceptual stage to detailing of design and implementation in a project. Coordinates with engineers and customers regarding engineering projects and products.
* Responsible for implementing, maintaining and improving electrical instruments, equipment, products and components that can be used for industrial as well as commercial purposes.
* Document product information, write reports and also give presentations. Responsible for installing electrical connections required in a project.
* Propose modifications and retest products. Monitor an electrical product in order to improve on the future design.
* Acquired thorough knowledge of building codes, mentor junior engineers on how to detect building construction issues.

***Project Management:***

* Providing support to the Project Manager in accomplishing the goals and set targets
* Managed the project from approval of drawings, project scheduling, testing and commissioning works up to project turn over as per clients requirement
* Overseeing the estimation & quality control of the material requirements and supervising the testing & commissioning of switch gears and bus ways systems.

***Safety Management:***

* Ensuring that the work is done according to the approved drawings, contracts & specifications and in compliance with the QHSE standards.
* Supervising the electrical workforce ensuring a safe and efficient operation, while observing all government regulations in a manner that supports production & budget goals.
* Organizing and attending site meetings including safety as well as coordination meetings with clients, consultants along with other contractors.

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| **Proven Job Role** |

**Electrical Engineer –** *Jazal Engineering & Contracting LLC, Abu Dhabi, UAE*

* Managed the design, construction, and maintenance of various electrical systems and components in buildings and structures, including power distribution and telecommunications, in buildings and structures; ensures compliance with relevant building codes and safety regulations.
* Designed, tests, install, and maintain large-scale electronic equipment or machinery for use in manufacturing or power generation or transmission.
* Supported engineering and design software and equipment to perform assignments. Apply principles and techniques of electrical engineering to accomplish goals.
* Performed the evaluation & inspection of electrical engineering projects to ensure that standards & requirements are met
* Prepared, maintains and reviews technical documentation, such as drawings and specifications, for electrical engineering projects.

**Senior Electrical Engineer –** *Sterling & Wilson Electrical Pvt. Ltd., Mumbai, India*

* Formulated electrical distribution systems for large industrial applications and plans these systems using recognized industry standards and specifications.
* Carried out system calculations and studies of electrical power systems – load flow, voltage drop, motor starting, short circuit studies, and relay coordination studies.
* Developed test requirements and assist in electrical equipment checkout and startup.
* Reviewed and check all assigned project electrical installation drawings for compliance with all company and project instructions (One-line diagrams, electrical equipment location drawings, plan drawings, details, schematics, wiring diagrams, etc.) of technical vendor submittals for installation requirements.
* Established technical bid tabulation to support the selection of major electrical equipment.
* Assisted in the development of project schedules and manpower requirements. Review and checking of technical vendor submittals for installation requirements.

**Electrical Engineer –** *Al Mashariq Trading & Contracting Co., Jubail, Saudi Arabia*

* Provided construction engineering services in support of fabrication, installation, modification, and testing of various electrical systems.
* Developed work instructions and work plans for installations/modifications. Execute material take off for installations, modifications, and designs. Procure construction field material for installations/modifications.
* Performed job hazards analysis for installations/modifications. Providing oversight and inspection of field installation/modification activities.
* Implemented post installation/modification evaluation to ensure completed work meets applicable design, specifications, codes, and standards.
* Developed as-built drawings of piping systems. Providing support for post-installation/modification testing activities.

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| **Projects Handled** |

**Major Projects:**

* Al Gharbia Mall- Abu Dhabi, UAE
* ICICI Bank- Mumbai, India
* Cleveland Clinic - Abu Dhabi, UAE
* C3 Dubai International Airport Expansion (Phase II) – Dubai, UAE
* Saudi Kayan Polycarbonate Project – Saudi Arabia
* DLF and SP Infocity – Chennai, India

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**Academic Project:** Harmonics study on converters through Analytical and Simulink using Mat Lab.

* A study on the effect of supply voltage harmonics on the response of single-phase capacitor filtered diode bridge rectifier loads where the typical compensation method for harmonic suppression has been discussed and is used to investigate the effect of supply voltage harmonics on current harmonics

**Industrial Exposure:**

* Various Plant Training (IPT)
* NCTPS North Chennai Thermal Power Station – 2005

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| **I.T Proficiency** |

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* Adept in Customized Engineering Package - AutoCAD LT2006.
* Proficient in MS Office Suite (Word, Excel, PowerPoint), E-mail & Internet Applications.

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| **Personal Details** |

Nationality : Indian

Date of Birth : 03rd Oct 1983

Marital Status : Single

Visa Status : Visit Visa

Languages : Tamil, English & Hindi

Driving License : UAE & India Light Vehicle

Reference : Available upon request