**Abhishek Pratap Rao**

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**Career Summary**

A dynamic professional with 9+ years of work experience in product design and development, certification testing, project planning, manufacturing, implementing process improvement, assist to define business strategic roadmap and customer support for various market segments. Demonstrated ability to deliver result in uncertain business environment, motivate and inspire team.

**Specialties**

* Product development & engineering
* Project planning
* Value Engineering
* People management and coaching
* Pro-e, Creo, Inventor and AutoCAD
* Web LGQ, market trends and competitor analysis
* SAP, PDM, PLM and Six Sigma tools

### Total Experience – 9 years

Senior Engineer Eaton Oct’16 – Till date

Lead Engineer General Electric Dec’10 – Oct’16

Sr. Design Engineer Larsen & Toubro Ltd Aug’08 – Nov’10

### Professional Experience

* Post graduate diploma in operation management.
* Lean Six-Sigma Green belt certified.
* Graduate in Electrical engineering.
* Awarded with two patents for closed door isolated position of motor starter module.
* Experience in project management and project planning.
* Expertise in product development, testing and global project execution.
* Mentoring and coaching global cross functional teams to establish new products, process and product certification lab and comply with ISO and EHS regulatory requirements.
* Experience in regulatory requirement understanding, market research and trends analysis to define business strategic roadmap.
* Customer plant visit for technical assistance to solve the issues related to harness, arc fault, and plant electrical layout finalization for NTPC, IOCL, NPCIL, Reliance and Marafiq.
* Experience in electrical component and wire harness selection based on application requirement for Plant cabling, Switchboard, Motor Control Centre and MV switchgear.
* Efficient at leading cross functional team and setup new manufacturing line for NPI/NPD.
* Worked with global technology team, cross functional team and setup new product validation lab in India for GE and Eaton.
* Efficient at working with government and third party certification agency for product regulatory qualification.

**Career Profile**

1. Senior engineer – Eaton

**Product validation lab:**

* Worked with global technology team and labs to define 10+ test setup requirements.
* Led cross functional team to finalized supplier/manufacturer, GA approval, performance inspection and final commissioning.
* Led resource hiring and actively involved in lab infrastructure development.

2. Lead engineer – General Electric

**Marafiq full plant rehabilitation:**

* Led Electrical team and defined the overall retrofit BoP (8x90 MW) and GT control scope.
* Defined switchgear, starters, motors, cable and conduit rating and specification.
* Identified costout saving of $240K from cranking motor to increase bottom line margin.

**Load interrupter switchgear (LIS):**

* Performed web LGQ, competitor product and market study to define MV IEEE vacuum circuit breaker into LIS integration roadmap.
* Identified VB2 plus fixed IEC breaker configuration, construction and certification details and brought the gaps & challenges to global IEEE strategy planning committee to define VB2 Plus breaker and its LIS integration strategy.
* Led project team and defined test plan, catalog structuring, manufacturing strategy.

**Medium Voltage IEEE retrofit breaker:**

* Performed retrofit market research and regulatory requirement study to define project scope.
* Led project team to develop, qualify, and setup new manufacturing line for 2 SKUs.
* Led cross functional team and defined SLA’s/KPI’s for sourced part and sub-system.
* Designed Krik lock, trip free bypass and automatic spring discharge (ASD) critical safety feature to meet IEEE requirement.

**Low Voltage MCC Arc Flash Mitigation (AFM) starters:**

* Performed market trend, competitor product study, float marketing FAQ and proposed higher amperage non-catalog (85 & 250 Sq.mm) flexible cable design to offer max AFM Feeder & Starter rating compared to competition in NEMA market.
* Worked with project team, certification agency and manufacturing to certify new motor starters as per IEEE 1683, UL 845 and setup the new manufacturing line in Monterrey, Mexico plant.

**Compact Starter:**

* Performed web LGQ, competitor product and market study and proposed new starter configuration into NEMA market.
* Led design team and establish GE IEC contactor & compact Sprecher & Schuh (S&S) overload for motor starter up to 100HP into US market as per UL 845 & NEMA standards.
* Led project team and establish product configurator and catalog structuring. Establish supply chain process.
* It helps reduce the starter cost by 68% with $260K benefit to business year over year.

**Soft Starter integration:**

* Evaluated soft starter system watt loss and come up with CFM for 5 to 500 HP motor starters.
* Finalized NEMA type-1 & 12 fans and integrated the new starter into NEMA MCC product line.
* Lead 7 member design team and created 300+ layout & 800+ doors.

3. Sr. Design Engineer – Larsen & Toubro Ltd

* Understand the single line diagram and GA drawing to come up with worst case configuration and define the test setup for customer orders. Worked with internal and external product certification agency and certify switchgear to meet the regulatory requirement.
* Designed and executed cost effective PCC (approx. saving of INR 3 Cr. per year) for Domestic & International market.
* Explored & designed closed door isolated position of module for “Shell” & filed two patents.
* Provided technical assistance by visiting customer site on recommendation of field service engineer to solve the complaint related to harness, arc fault and LV switchgear panel design issues for NTPC, IOCL and Reliance customer.

### Training and Seminar Attended

* Foundations of leadership – 2015
* PTC training on Pro-E, Creo and ANSYS – 2009
* 2 days training program on `Short Circuit Testing & Ingress Protection’ at ERDA – 2008

### Recognition

* ERD 2015 winner award at GE for the category of "Systems Excellence" for "LV MCC Arc Flash Mitigation design" project.
* Technical Excellence award for 2013 at GE.

### Professional Qualification

* 2012- PG diploma in Operation management from Welingkar Institute of Management.
* 2008- B. Tech (Electrical) from Uttar Pradesh Technical University, and obtained 71.60%.
* 2003- Higher Secondary from Government Inter College Deoria, U.P and obtained 72.20%.
* 2001- Secondary school from Saraswati Vidya Mandir Deoria, U.P and obtained 70.30%.

**Personal Details**

1. Date of Birth : Dec 15, 1986
2. Permanent address : H. No. 61, Tarkulwa, THE-Deoria, DIST-Deoria, UP
3. Interests : Traveling, Playing cricket

I am here with to submit my Resume for your kind perusal and solicit. To the best of my knowledge the above given details are TRUE

Place: Pune Thanking You

Reference: Available on request Abhishek P. Rao