**SK. IQBAL HOSSAIN**

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**A technically sound Hydraulic System Engineer with strong skills of dealing with practical problems looking for more responsible role at leadership level.**

### Career Highlights:

* 14 years of in-depth experience in design, application, sales, service, troubleshooting, manufacturing and assembly of hydraulic power units & special cylinders.
* Proficient in design of complete hydraulic system and calculations for selection of Hydraulic components like motors, pumps, valves, cylinders etc.
* Capable of independently preparing the hydraulic circuit drawing and bill of materials using computer assisted design (AutoCAD) software.
* Good knowledge of various types of circuits and applications in industrial & mobile hydraulics.
* Capable of preparing the electrical control circuit and proper selection of switchgear components.
* Knowledge of hydraulic components of different brands like Eaton Vickers, Rexroth, Parker, Yuken, Stauff, Hydac, Sun etc.
* Knowledge of SAE/DIN/ASTM standards required for hydraulic seamless pipes, pipefittings, hoses, flanges and pipe clamps etc.

### Work Experience:

Working as Operation **Manager** (Application Engg./ Sales) at **Hydrocraft Engineers** from Oct 2018

### Job Responsibilities:

* Evaluation of Enquiries, preparing Techno Commercial Offer, Submitting Tender, Clarification of customer requirements, Attending to customer related problems.
* Order Management from Enquiry to Order Confirmation which includes development of schematic drawing for enquiry, Selection of system components from different renowned manufacturers and prepare different alternatives to optimise costing.
* Building a Sales/Project team and attending to all Sales related issues including Spares sales and Project sales (new systems and applications)
* Involved in Developing Marketing Plan and Sales Strategy and executing the above successfully thereby achieving Sales Targets.
* Managing crucial customers like Railways, MECON, Primetals Technologies etc.
* Involved in preparation of manufacturing and assembly drawings, layouts, G.A. drawings as necessary (using Auto cad and solid works software)
* Responsible for release of final drawings for manufacturing to production and help production to resolve production related issues.
* Involved in successful installation and commission of the system.

Worked as a **Manager** (Engineering, Hydraulics) at **Tata Projects Ltd** (Metals & Minerals BU) from March 2015 to October 2018

### Job Responsibilities:

* Co-ordinate, control and supervise all Engineering, Design and materials control Work carried out for the Hydraulics, Pneumatics and Lubrication domain
* Prepare basic engineering Drawings, BOQ, technical specification, technical evaluation of offers and recommendation, supervising / checking of drawings, design documents, interaction with external design agencies during finalization / placement of order, finalization of layout.
* Co-ordination with customer / consultants for approval of drawing, technical co-ordination with other departments.
* Assisting in analyzing design problems and preparing design sketches. Providing design specifications to deliver designs, using calculations. Preparation of specifications, estimates, evaluation of bids.
* Technical Support towards Design, Engineering, Erection, Commissioning of Hydraulic & Lubrication units of Steel plants.
* Guiding a team of Engineers & Draughtsman in Design & Engineering (in house / at Vendor).
* Preparation of Offer Drawings based on the input received from the Client / Tender. Finalization of piping layout and hydraulic room GA drawing in close cooperation with other departments.

Worked as an **Asst.** **Manager** (Design Consulting, Hydraulics) at **Larsen &Toubro Technology Services Ltd** from September 2012 to November 2014

### Job Responsibilities:

* Responsible for complete Hydraulic System and circuit design and component selection.
* Provide application engineering support and solutions to OEM customers across the globe.
* Component level design engineering support for hydraulic cylinder, manifold block etc.
* Responsible for hydraulic system level re-engineering/value engineering projects and design up gradation & modification of existing hydraulic power pack & actuators.
* Support New Product Development, design review, cost reduction & remanufacturing activity for off highway vehicles like Skid Steer Loader, Tele handler, Refuse Truck, Corn Picker etc.
* Hydraulic system design activity for steering system of thruster in marine applications.
* Design for hydraulics system for sub sea equipments like batch mixing skids, grease injection skids, 10 station control panel etc used in oil & gas applications.
* Provide alternate sourcing solutions for high value hydraulic components.
* Conduct project specific hydraulics training for team members.

Worked as an **Application & Design Engineer** with **Eaton Fluid Power (Vickers)** from Jan 2009 to Aug 2012

### Job Responsibilities:

* Responsible for designing special application specific applications to match customer’s specs
* Develop designs and technical proposals on specific projects for customers.
* Provide technical advice to Sales team on product specifications and application suitability.
* Engage with sales team in understanding customer requirements and look for solutions within the existing product range/ variants to meet these requirements competitively and provide technical solutions.
* Visit customers for understanding of application, technical discussions and drawing approval.
* Work with service engineers to understand the product selection and design aspects related to customer field complaints and provide product selection and design solutions.
* Analyze competitor product/ technologies and identify suitable competitive offering from company’s product range.

Worked as a **Design** **Engineer** with **Hydrocraft Engineers** from May 2005 to December 2008

### Job Responsibilities:

* Drawing and design of hydraulic circuit diagram and bill of materials for hydraulic power unit as per customer specifications.
* Drawing and design of customized hydraulic cylinders as per the inputs from the customer.
* Selection of seals & other accessories like air bleed valve, cushion valve, spherical bearings, bellows etc.
* Drawing and design of electrical control circuit diagram for local control panel (relay based) as per operational requirement of customer with necessary interlocks.

### Educational Qualification:

* Completed Bachelor Degree in Electrical & Electronics Engineering from Ghausia College of Engineering under Visvesvaraya Technological University, B’lore in 2005 with 65% marks.
* Completed Higher Secondary from Asutosh College under WBCHSE in 2000.
* Completed secondary from South Point High School under WBBSE in 1998.

### Achievements:

* Design & development of Automated Hydraulic Test bench for performance & endurance test of hydraulic cylinders, pumps and control valves.
* Two Patent applications filed for Hydraulic design of Automated Hydraulic Cylinder Test Bench and one patent application for the microprocessor based control function of the Test bench.

### Personal Details:

* Date of Birth : October 31, 1980
* Martial status : Married
* Language known : English, Hindi & Bengali.