**RESUME **

**INSTRUMENT ENGINEER**

**Mohammad Saba Iqbal Akhtar**

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**Present Address**

Saba Iqbal Akhtar

Nawab Manzil, Dargah Road

Patthar Ki Masjid, Patna (Bihar), India

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**Summary:**

To achieve success through team - work as well as personal hardworking. Working with dedication and hardworking in a dynamic, team oriented, competitive environment where there is a maximum chance of learning and growth as a proficient, innovative and committed person. To excel in all domains of life and achieve highest level of success as a professional and self development as an individual.

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##### **Passport Details:**

1. Number : **R3340261**
2. Year of Issue : 22.09.2017
3. Place of Issue : Patna (India)
4. Year of expiry : 21.09.2027
5. **Personal Details:**

1. Date of birth : 18.10.1969
2. Sex : Male
3. Languages Known : English, Arabic, Urdu, and Hindi.
4. Nationality : Indian
5. Marital Status : Married

**Professional Qualification:**

1. **B.E in Electronics & Instrumentation**
2. **K.B.N. College of Engineering**, Gulbarga University, Karnataka.
3. **Higher Secondary School Certification**

Bihar intermediate Education Council, Patna, Bihar

1. **Secondary School Certification**

Bihar School Examination Board, Patna, Bihar

#### **Profile:**

*INSTRUMENT ENGINEER, with more than 19 years of experience in Oil & Gas Industries. Experience in Pre Commissioning, Commissioning & Turnover. Involved in Cause & Effect Testing, Function Tests and Loop Check Activities. Responsible for Process Field Instruments, Fire & Gas Instruments, Fire & Gas Systems, ESD Systems.*

**Professional Experience:**

**Nasser S. Al Hajri & Partner Co.**

This is the Saudi Based EPC contracting company. It deals with joint cooperation, providing technical services, making contract or sub-contracts, well work over, oilfield construction, pipeline laying and other technical services.

**Duration July 2018 to Feb 2019**

**Designation QA/QC Engineer (Instrumentation)**

**Project Oil & Gas**

**Client Kuwait National Petroleum Company, Kuwait**

**Contractor JGSK**

**Functional Area Construction**

**Duties QC**

**Responsibilities:**

1. Responsible for all instrumentation related to installation, testing & commissioning.
2. Responsible for preparing QHS documents.
3. Responsible for conducting inspection of all ongoing activities for instrument installation.
4. Responsible for preparing the method of statement and ITP’s for all instrumentation activities.
5. Responsible for raising RFI and conducting all the instrumentation inspection with main contractor representative.
6. Responsible for conducting the inspection of all instrumentation material before storage, installation and after installation.
7. Responsible for raising NCR and initiating corrective action to the work was done as not as per specification, method statement or at per approved shop drawing.
8. Responsible to the Project Manager any deficiencies in the operation of quality management & control system.
9. Responsible for ensuring that the work done is as per specification, method statement and as per approved shop drawing, as to ensure that all approved and inspected materials are used.
10. Responsible for ensuring all the testing equipment are calibrated.
11. Monitored installation & operations to consistently meet rigorous customer requirements.
12. Monitored junior Engineer and new hires to better improve the competency and efficiency of all staff.

**SEG (Sinopec Engineering Group) Saudi Pvt. Ltd.**

This is the branch of Sinopec International EPC Company, also known as SEG in the short which is dealing in construction of chemical plants in Al-Jubail (K.S.A).

**Duration May 2014 to Jan 2018**

**Designation Construction Engineer (senior)**

**(Instrumentation & Control)**

**Project POD, EOD and EO-ESS**

**Client SADARA**

**Contractor TR (Technicas Reunidas)**

**Functional Areas Installation and commissioning**

**Duties Installation, Commissioning.**

**Responsibilities**

* In charge for the supervision/Construction of the part of Propylene and Ethylene for instrumentation installation projects. Job includes,
* Planning and scheduling of instrumentation & Control activities.
* Preparation of works and method statements for nature of the job to be performed.
* Calibration of instruments like differential pressure transmitter, control valves and PRV etc.
* Installation of field instruments, main and secondary cable tray.
* Cables laying and cable termination of instruments.
* Installation of hook up Air tubing, Impulse tubing & analyzer tubing.
* Loop drawing and loop checking of instruments.
* Maintain engineering standards and specifications related to instrumentation.
* Instrument cable termination & continuity checking at both instrument sides & field junction box sides in accordance with the designed drawing.

**Sinopec International**

Company profile: It’s a china based EPC contracting company having branches throughout world. It deals with joint cooperation, providing technical services, making contract or sub-contracts, well work over, oilfield construction, pipeline laying and other technical services.

**Designation:** **Instrument & Control Engineer**

**Duration:** **May 2012 to May 2014**

**Functional Areas:** **Commissioning & Troubleshooting**

**Responsibilities:**

* Responsible for specification and application of sensing Elements/Transmitters and final control elements, pneumatics, hydraulic and SCADA, programmable logic controllers (PLC’s) and distributed control systems (DCS) systems for plant site projects.
* Understand and interpret engineering drawings, have capability of directing the development of drawings.
* Apply general knowledge of digital, electronic and pneumatic instrumentation and controls.
* Demonstrate experience in the following: Writing capital appropriation.
* Request for area of expertise, pre-start-up safety reviews (PSSR’s), Management of change (MOC), scoping.
* Safety schedules and budgets.
* Verify and check sizing of instrument process data sheets.
* Develop/Support instrumentation/Control system cost estimates, scheduling and manpower loading activities.
* Review and approve vendor packages for instrument related systems.
* Understand the application of National Electric Code (NEC) and other industrial codes and standards.
* Develop piping and instrument diagrams and control strategies to support the process team.
* Understand electrical area classifications and compliance methods enclosure, intrinsically safe, purging etc.
* Develop/ review control system user requirements specifications and the acceptance testing.
* Participate in process hazard analysis (PHP) reviews.
* Develop/review construction bid specifications for control system and instrument installation.
* work on projects that involve multiple applications including SCADA, plant controls, telecommunications networks, and related systems;
* Prepare P&IDs (piping and instrumentation diagrams), process control narratives, instrument lists and I/O (input/output) lists as part of project design and ongoing maintenance;
* Prepare specifications and associated bid documents including cost estimates, schedules, and transition plans.
* Preparing and agreeing project budgets, timescales and specifications with clients/managers;
* Undertaking relevant research;
* Producing and implementing designs;
* Creating test procedures;
* Testing, evaluating, modifying and calibrating products/instruments;
* Writing reports and documentation;
* Analyzing and interpreting data;
* Providing technical support.

**Arabian Consulting Engineering Services**

**Duration May, 2010 to Aug, 2011**

**Designation Instrument Engineer**

**Functional Areas Commissioning & Troubleshooting**

**Duties: Installation, Maintenance and Commissioning.**

**Responsibilities**

* Undertaking technical and feasibility studies and site investigation.
* Assessing the potential risks of specific project, as well as undertaking risk management in specialist roles.
* Supervising tendering procedures and putting together proposals.
* Managing, supervising and visiting contractors on site and advising on communication and electrical engineering issues.
* Overseeing the work of junior staff or mentoring communication and electrical engineers throughout the charter ship process.
* Managing budgets and other project resources.
* Leading teams of other engineers, perhaps from other organization or firms.
* Compiling, checking and approving reports, reviewing and approving project drawings.
* Scheduling material and equipment purchases and delivery

**KENTZ ENGINEERS & CONTRACTORS**

**Duration Sep 2008 to April 2010.**

**Designation Electronics & Instrument Engineer**

**Functional Areas Commissioning & Troubleshooting**

**Duties: Installation, Maintenance and Commissioning.**

**Responsibilities**

* Co-ordination in all aspect of detailed (preparation of construction packages, index, cable schedule, installation drawings, loop drawings, logic drawings, panel wiring drawing etc).
* Review and comments on vendor documentation providing the vendors with the necessary application data and support.
* Attend initial package kick-off meetings. Review and approval of the vendors overall detailed engineering design with respect to the instrumentation and control system activities to ensure compliance with the scope of work and current specifications, standards and regulations.
* Responsible for process field instruments, fire & gas system, fire & gas instruments, ESD system.
* Generation, review & comments on date sheets, material list and P&ID etc.
* Direct and witness commissioning initial plant operation activities during the field phase of the project.
* Ensure sub-contractors adhere to all commissioning HSE requirements.
* Help to develop control narratives, contingency plans etc.
* Preparation updating of daily progress report for construction, pre-commissioning and commissioning activities.
* Monitoring day to day site activities, manpower, equipment and keeping the project manager updated on these issues.
* Responsibilities promote safety in all aspects of the work ensuring that safety management systems are adhered to input and participate in quality, safety, technical audits and reviews.
* Coordinate the execution of the detailed design by the EP contractor, use the company approval process for the EP contractor’s detail design documentation and manage documentation transfer for approval/review between EP contractor and company.

**AHMAD SULEMAN AL-FAHHAD & SONS LTD. COMPANY.**

**Duration** **March 2005 to June 2008**

**Designation** **Electronics & Communication Engineer**

**With Commissioning Engineer**

**Functional Area** **installation and Maintenance.**

**Responsibilities:**

* Discussing proposals with clients;
* Worked with colleagues to design new systems, circuits and devices or develop existing technology;
* Testing theoretical designs;
* Writing specifications;
* Following defined development processes;
* Systematically improving the detailed design of a piece of electronic equipment;
* Ensuring that a product will work with devices developed by others, can be made again reliably, and will perform consistently in specified operating environments;
* Creating user-friendly interfaces;
* Ensuring safety regulations are met;
* Project planning and preparing budgets;
* Attending meetings with subcontractors;
* Supervising technicians, craftspeople and other colleagues;
* Writing technical reports;
* Keeping up to date with developments in technologies and regulations.
* Manage smooth commissioning of the project by coordinating between the company and the contractor.
* Supervise and approve commissioning plans in accordance with project guidelines.
* Review designs and supervise onsite commissioning activities.
* Prepare and maintain commission records of site observations, testing processes and checklists.
* Outline procedures, norms and details for writing the systems manual.
* Monitor installation, submittals and usage of engineering tools adhering to project and commissioning guidelines.
* Guide testing processes and motivate specialists to achieve standard results.
* Assist with identification and redressal of commissioning and malfunction issues.
* Track and review progress through meetings.
* Evaluate contractual commissioning statistics and instruction guidelines in accordance with the needs of the project.
* Compile commissioning report date for summarizing.

**OLAYAN DESCON INDUSTRIAL CO.LTD.**

**Duration April 2000 to Feb 2005.**

**Designation**  **Instrument Control Engineer**

**Functional Area** **Instrumentation & Test Engineering.**

**Responsibilities**

* Involved in loop checks activities with commissioning Tea.
* Experience in function test, cause and effect test for fire & gas, process field instruments.
* Working Knowledge in fire & gas ESD system, Commissioning all Fire and Gas on Crude Oil Processing plant and on Sour Gas Injection.
* Carried Out devices function checks and loop checks back to ICS Triplex Trusted.
* Work included Detronics UV/IR Flame detectors Dragger Polytron, Toxic Gas and Combustible Gas detectors Kidde Heat Detectors ESMI smoke detectors. Knowsley Deluge system.
* Responsible for Installation, testing, repairing and circuitry; removing, dismantling, cleaning, maintaining, and assembling instruments and replacing Defective component.
* Responsible for Calibration Activities of fire & gas Instruments like Flammable Gas Detectors, Hydrogen Gas detector, Oxygen Deficiency Detector, Toxic Gas Detector, CO2 Gas Detector, Rate of Rise Heat Detector, Smoke Detector, High Sensitivity Smoke Detector, Aspirator HVAC Duct Probe, Visual Alarm Beacon etc.
* Maintaining records of these processes; connecting instruments to simulation equipment and performing tests; and, collecting and recording environmental data to support plant activities.
* Preparation of start-up packages.
* Review & Approval of Commissioning/Loop Packages.
* Clearing QA/QC punch items.
* Red lining/ As Built of drawings.
* Carried Out SAT Test (Site Acceptation Test).
* The use of IN tools to generate an instrument database based index, specifications and reports.
* Can prepare Schedule using PrimaveraP3 / Ms Project.
* Coordination with ICS, DCS personnel’s

**Mehr Photonics Pvt. Ltd.**

**Duration**  **July 1998 to Sep 1999**

**Designation**  **Electronics Engineer (Design & Development)**

**Functional Area** **Execution and Maintenance**

**Responsibilities:**

Worked as Electronics Engineer (Design and Development).I supervises the technical installation and overall technical compliance, in accordance with contracted specifications, which include managing the installation, testing & commissioning of all interlocking devices. Managing the installation of indoor/outdoor equipment. And leading installation teams and support of testing and commissioning of the signaling system of railway lines. This company involve in the manufacturing of LED based signaling light, flasher light for Indian railways with different ranges, various types of power regulators is also installed by the company in which commissioning, installation and testing occurs. This company is for generating different thing related with the electronics product and also manufactured on the basis of Indian railway demand.

**INSTRUMENTS WORKED ON:**

ABB, TATA HONEYWELL, YOKOGAWA, FISHER ROSEMOUNT, SIEMENS ENDRESS+HAUSSER, VEGA ETC.

**SYSTEMS WORKED ON:**

HONEYWELL, BENTLY NEVADA, ALLEN BRADLEY, ICS TRIPLEX, HIMA.

**Saba Iqbal Akhtar**