

Mohd. Qader Khan
Villa 32, Best Road
Chandigarh, Punjab
0091 22 676767676
khan@indiatimes.com

OBJECTIVE:

Seeking a position in Process Control and Instrumentation Field to utilize my skills and abilities in Instrumentation Engineering that offers professional growth and an innovative environment.

COMPETENCIES:

- Problem solving abilities, excellent verbal and written communication skills, willingness to learn, Creativity at work and excellent co-ordination and presentation skills.
- Ability to take responsibility on the shoulders, open to new ideas and I want to play the crucial role in companies long term Brand-building and Overall growth.

EDUCATIONAL QUALIFICATION:

- **Bachelor of Engineering (Electronics and Communication)**, July 2002.
From **C. U. SHAH COLLEGE OF ENGINEERIN AND TECHNOLOGY, Gujarat, India** with First Class securing 64.14%.

PLC Training:

- PLC Training taken from Sixnet, USA on Sixnet PLC, RTU, IO Tool Kit, Isaghaf.
- Training taken on PLC (Momentum with Concept@2.6V Software, Premium, Quantum with Unity-3V Software) and SCADA (CITECT-7V) from Schneider electric Jebal ali Dubai.

DCS Training:

- Training taken on **TOSHIBA-V2000 DCS** (V-TOOL and CITECT scada) at Masibus automation and instrumentation PVT. LTD, **Gandhinagar**.

Other Training:

- Online Training taken on Project Management from Ahmedabad Management Association.

EXPERIENCE: Total Experience of 6 Years and 1 month.

#Period: July 2002 to September 2004.

Worked with M/S Fairdeal Automation and Instrumentation Pvt. Ltd., Ahmedabad as a Automation Engineer.

Company Profile:

Fairdeal Automation and Instrumentation Pvt. Ltd. is an ISO 9001 company which mainly undertakes projects related with the Automation of Power, Oil, Gas, Chemical, Utility, Water Wastewater Treatment Plants and Machine automation industries. It provides automation solution on PLC (like SIEMENS, SMAR, OMRON and FAMA) and SCADA (IFIX, ICONICS) to its various Base customers by developing Panel, SCADA and PLC Logic and total project with site commissioning.

Job Profile: PLC Programming and SCADA.

Period: September 2004 to till date.

Presently I am working with M/S **Masibus Automation and instrumentation Pvt. Ltd., Gandhinagar-India** as a **Senior Automation Engineer** in Project execution dept.

Company Profile:

Masibus Automation is a leading industrial automation company focused to be the most valued global provider of power, control and information solutions. With a focus on automation solutions that help customers meet productivity objectives, the company brings together leading brands in industrial automation, including

- CITECT SCADA and HMI form Citect Pvt. Ltd.
- TOSHIBA DCS and PLC from TOSHIBA Japan.
- OMRON PLC from OMRON Japan.
- SIEMENS.
- SIXNET from USA.
- GE Fanuc.
- Power product - Qualitrol Hathaway –SCR, PDR
- Calibration – BETA
- Instrument – FLIR, SETRA, LORD, SHINKO

Functionality of Project execution Dept.:

- Consulting services
- Tendering – Offer development
- Automation project execution and management
- Engineering, Testing, commissioning
- Project documentations
- Engineering Services
- Annual Maintenance
- Customer support and training

Job Profile:

- Conducting kick off meetings, holding technical discussions with customers for understanding customer requirement and giving the final shape of FDS(Functional design and specification)
- Identifying standard components like motors, valves, control loops etc. from P&ID's and generating Input and Outputs (points) for each of these components and Preparation of Io list and getting approvals from customer.
- Preparation of engineering drawings viz. Panel GA drawings, Power Distribution and I/O Drawings, Control schematics etc.
- Customization and development of MMI and SCADA software's i.e. Color graphics, trending, data logging, reporting etc.
- Preparation of Ladder Logic and getting approvals from customer
- Documenting the Basic Engineering Designs Database, Graphic & Logic Designs and getting approvals form the customer
- **Conducting FAT:** Integrated testing of database, graphics and logic under simulated conditions.
- Independently Commissioning the PLC, DCS and SCADA system at site.
- Conducting SAT and Handing over.

Prestigious Project's Executed in India as mentioned below as a project lead.

Sr. No.	Projects	Customer	PLC/SCADA system
1	Automation of 120 MW Power Plant like Drum level, water feed pump system, ID and FD Fan control, furnace draft control, steam control, Dearator control	PTPS(Punki thermal Power station – Kanpur) Government of India	Smar DCS with Process view-Iconics scada 2500 I/O
2	Polymerization plant (Chemical plant for Lactum chemical to polymer Chip)	SRF Ltd. Gwalier-MP India	TOSHIBA DCS with redundant CITECT scada and four client scada 3500 I/O -
3	Turbine control system for 12MW power plant	Nahar Ltd. India	SIXNET DCS Hot standby system with CITECT scada 1500 I/O
4	Automation of Utility section for chemical plant like compressor automation, chiller automation, Nitrogen plant, dryer Automation, water treatment and distribution plant Air handling system	SRF Ltd. Gwalier-MP India	Schneider Quantum Hot Standby PLC, 4-Siemens S7-200 PLC, 3- allen bradly PLC, GE-Fanuc 9030 PLC, 2-GE-Fanuc 90 series PLC, 15 - Masibus make 24 channel analog Scanner with CITECT scada 1500 I/O
5	Chemical material Convey system	Kanoria Chemical Ltd. Renukut – MP, India	Smar DCS with Process view-Iconics scada 2000 I/O
6	Automation of Textile winder machine in Polymer plant	Chiripal Petrochemical ltd. Ahmedabad	Fama make PLC with 8 Variable Frequency Drive and MCC panel
7	Automation of Back pressure turbine-350KW	Thermax Ltd. Bangalore.	Schneider's Micro PLC.
8	Automation of Fuel &Ash Handling system of cogeneration plant	Vandhana Vidut Ltd. Bilaspur.	Schneider's Premium PLC with CITECT scada.
9	Textile unit like POF texturising machine	Unitex Textile Ltd Welspan Ltd.	Fama make PLC with 8 Variable Frequency Drive and Pro-face HMI
10	Automation of Polymer Hot Chip convey from 4 main tank	Chiripal Petrochemical ltd. Ahmedabad	Fama make Hot Redundant PLC with

	(extruder) to 18 small production tank -1000 I/O		Pro-Face BT2500 color touch screen HMI
11	Automation of Furnace for Gas filling bottle Harding and tempering	Lizer Bottol Ltd. Gandhidam(SEZ) – Gujarat	Sixnet PLC 2350 with CITECT scada
12	Automation of textile machinery by synchronization speed of machine by VFD and scada	Welspan textile ltd. India	48 No. Schneider's VFD-ATV58 and Ifix Scada.
13	Automation of chemical plant like distillation columns and material convey system.	UPL Ltd – Vapi, Gujarat, India	Sixnet Hot standby redundant system with Citect redundant Scada 1500 I/O
14	Automation of Fuel & Ash Handling system for Cogeneration plant	Nova Petrochemicals ltd. Ahamadabad.	Schneider's Quantum PLC with CITECT scada.
15	Automation of Pulper & Poier in paper plant	Arjun technologies ltd Chennai	Schneider's Compact PLC
16	Automation of chemical plant for distillation columns and other chemical process	Arti Chemical – Ankleshwar, Gujarat	Toshiba DCS with Citect Scada 2000 I/O
17	Automation of the captive power plant comprising boiler, turbine and auxiliaries section .	Virajpower ltd. Mumbai.	Schneider quantum PLC with Hot standby Remote IO Network and redundant CITECT SCADA.
18	Furnace automation of cold rolling mill of steel plant	Salem Steel plant. Govt of India.	Schneider's Quantum PLC with Hot stand by with CITECT SCADA.
19	Turbine Automation of Cogeneration Plant	Rainbow Papers. Ahamadabad.	Schneider's Momentum PLC Hot Standby, with redundant MB+ Redundant I/O network with Wonder ware SCADA.

Overseas Experience:

- 1.0 Worked as a Project Lead Engineer in STP (Sewage Treatment Plant) by M/s **Metito** for AL-Khor Sewerage Extension to **AL KHOR STW, QATAR** (State of Qatar - PUBLIC WORKS AUTHORITY - Drainage Affairs). Using Schneider **Unity 3.0V Quantum Hot Standby** PLC system with Redundant **VIJEO CITECT** and 2 client operator for 5000 I/O.

Application: **Waste water treatment Plant**

Location : **Schneider electric FZE Dubai (Jebel ali – free Zone-JFZA) UAE**

2.0 Worked as a Project lead in **HVAC Control** system by M/s **AL TAQA Equipment Co. LLC** for **QATAR Petroleum** Project Automation of **EPIC for RAS LAFEAN COMMON COOLING SEAWATER SYSTEM PAHS E II**. Using **Concept 2.6 Quantum Hot Standby PLC with XBTGT1130 HMI**.

Application: **Sequence of operation of HVAC Control & Control Panel**

Location : **Schneider electric FZE Dubai (Jebel ali – free Zone-JFZA) UAE**

3.0 Worked as a Project lead in Schneider SEPAM Relay Communication with Invensys DCS by **NPCC** for **QATAR LIQUEFIED GAS COMPANY LTD. (II)**. Using Schneider Momentum PLC with XBT1000 Gateway

Application: **Monitor Power Parameter in DCS using communication Gateway**

Location : **NPCC – Abu Dhabi UAE**

4.0 Working as a Project lead in Water chemical plant (Blending & Treatment Facilities at Shuwaikh Plant) with KCC(Qatar) for **Ministry of Kuwait**. Using Schneider make 24 **Modicon 340** system and **Hot Standby Quantum** redundant system with **CITECT** redundant Scada 5000 I/O.

Application: Blending & water Treatment Facility at Shuwaikh Plant

Location : **Schneider electric FZE Dubai (Jebel ali – free Zone-JFZA) UAE**

Exposures:

- **Panel Design:** Electric Panel, MCC, PLC, VFD, DCS with Autocad-2004 and Panel wiring commissioning and testing.

PLC System: Working with FAMA, OMRON, TOSHIBA, SIXNET, FATEK, ALLEN-BRADLEY, SCHNEIDER, MESSUNG, SMAR, ABB, SIEMENS, Delta (WPL Soft) make PLC with its configuration software and used in more than two projects. Schneider's Concept V2.6,(For Compact, Momentum & Quantum), PL7 Pro,(For Micro & Premium), PL707(For Nano), Twido,(for Twido PLC), Zelio soft,(Zelio relay Module), XBTL-1000(Magelis-HMI), Rs-logics,(Micro logics &SLC), Rs-view, Vijeolook(Basic level), Cimplicity Scada.(GE- HMI), Siemens Simatic Manager for S7 PLC and Simatic PRO Tool HMI software, TOSHIBA VTOOL software for V-1000 PLC and V-2000 DCS.

- **DCS System:** SMAR DCS form Brazil in PTPS Power Plant Kanpur-India, TOSHIBA DCS form Japan in SRF Ltd. Polymerization Plant.
- **SCADA Software:** IFIX (Intellution-GE), Process view-Iconics, CITECT Scada, RSVIEW 32 SCADA from Allen Bradley, Cimplicity SCADA from GE.
- **MMI system:** Pro-face, Schneider HMI, Schneider Magelis-HMI (Vijeo Designer).

1. Toshiba DCS and SCADA :

- ❑ Toshiba DCS V-2000 System (With Hot Backup Redundancy System), and CITECT scada with redundant server and four client scada with 3500 Input - output.
- ❑ Sixnet PLC with CITECT scada
- ❑ CITECT scada with S7-200 PLC, 1200 A&B PLC

2. GE Fanuc

- ❑ GE Fanuc PLC: 9070 PLC system and Cimplicity SCADA.

EXTRA CURRICULAR ACTIVITIES:

- Three months Training in “**FASCAL LTD.**” On GSM system in RF planning Dept.
- PC to PC communication using Fiber Optic cable
- Wireless communication using GSM system
- Lift Automation on microcontroller based
- Project developed on microcontroller for timer, counter, on-off temp controller
- Project Developed on PIC microcontroller for three phase Motor speed control based on VFD.

Computer Skills: Windows 2000, Windows XP, MS-Office, C, C++, Visual Basic (V.B.), Assembly Language of 8085, 8086, 8051, 89c51/52 Microcontroller, KEAL C programming in microcontroller, embedded system.

PERSONAL DETAILS: