Pedro Barretto
Automation Engineer (living in Denmark on Green Card)

I have 8 years of experience as automation engineer with hands-on experience in testing & maintenance of PLC, SCADA, DCS and Process Instrumentation systems. My experience is:
- Gathering system data for preparing functional requirement specifications.
- Planning of test activities for S-7300/400/200 PLC and SCADA WinCC / IFIX.
- Executing of factory acceptance test (FATs) on Allen Bradley/Siemens PLCs.
- Performed site acceptance test (SATs) on automation & Batch systems.
- Ensured testing conformance to GAMP 4 and IEC-62381 standards.
- Involved with Siemens step-7/ Allen Bradley RSLinx program development.
- Identifying program errors and troubleshoot those in implementation phase.
- Efficient in timely execution of the project detailing each countered errors.
- Ensuring all works are aligned with site GMP regulatory validation plan.

As an example of recent achievement, I saved 215,000 DKK by improving the reliability of a 26TPH boiler electrical firing control system by testing and programming a Siemens S7-200 PLC with 100DI/DO,10 AI with SCADA over the existing electrical relay based control panel.

I am living in Denmark and learning danish each day,

Address: C/o Kaliyan Guddaye
Oldermandsvej 49,2 th Cph 2400

Mobile: +45 9166 4531.
Email id: jose.pedro0316@gmail.com
Citizenship - Indian.
Living in Denmark on Work Permit
URL: www.pedrobareto.net

Linkedin: www.linkedin.com/in/peedro

Work Experience			Competencies
Date: Sep2016- till date	HMSHost DK supervises electrical systems at CPH airport. My job is:		**PLC & HMI**
Company HMSHost,DK			- Siemens S7300/S7200
Position - Automation	- Sorting priority based electrical & automation maintenance issues.		- Ifix v5.5 & WinCC editor
Team member	- Performing preventive maintenance on electrical switchgears.		- Allen Bradley SLC-500
	- Collaborating with other colleagues to solve various work issues.		- Omron CS-1
			- Wonder ware editor
Date: May2014-Sep2016	Vedanta manufactures Pig Iron and Sinter material. My job was		**Electronic Modules**
Company-Vedanta Plc			- Safety switches
Position – LEAD	- Tested S7-300/400/200 PLC I/Os using ANSI/ ISA 62381standard.		- Barriers
AUTOMATION ENGINEER	- Performed Scada screen configuration & testing on WINCC.		- AC/DC Drives - Siemens
	- Documented test procedures on automation using site validation plan.		- Data acquisition systems
	- Configured IT solutions for interfacing WinCC to SAP using OPC.		- Converters
	- Maintained PLCs and SCADA systems using planned procedures.		- Online UPS
	- Secured the automation systems with dual Redundant CPU.		- Data Communication
	- Debugged program errors on Siemens PLC using redundant variables.		- Isolators
			- Fire & Gas Detectors
ACHIEVEMENTS	- Saved 215,000DKK on Siemens S7-200 PLC retrofit for 26TPH Boiler.		**Process Automation**
	- Developed first of its kind user guide in company on my recruitment.		- DCS- Yokogawa
	- Collaborative team work increased shares by 66.3% than last year.		- Process controllers SLC
			- Temperature controllers
Date: Feb2012-May2014	Sodexo Maclellan looked after Engineering services of pharmaceutical		- Process Calibrators
Company	Manufacturing Facility		- Analyzers - Yokogawa
Sodexo Maclellan			- Process Instruments
Position-	- Reviewed operational progress of control systems as per GMP plan.		**IT Tools & Softwares**
Facility Manager	- Prioritized debugging tasks to be resolved using work -order.		- µP 8085/8031/8086
	- Inspected operation for control issues & resolved deviations.		- MS Office
	- Administered modifications to system by brain storming-guiding users.		- Fortran & Turbo C/C++
	- Executed internal GMP audits by walking thru with stakeholders.		- Siemens Step-7 v5.5
	- Fortified automation performance through testing & system checks.		- RSLogix 5/500

		- CMMS & SAP ERP
ACHIEVEMENTS	- Reduced energy usage in utilities by 60% through new modifications.	**Trainings**
	- Awarded Facility manager of the year	- Siemens PLC&SCADA
		- Drives and PLC
Date: Jan2008-Feb2012	Commscope manufactures heavy telecom equipment . My job was.	- HMI Wonderware
Company		- Computer Networks
Commscope	- Calibrated & tested Process Instruments using standard procedures.	- AutoCAD - Basic
Position: Senior	- Increased reliability of Power plant process with Siemens S7-200PLC.	- Siemens AC Drives
Automation Engineer	- Established stability of production line with digital process instruments.	- Industrial Automation
	- Trouble shooting process automation faults using PLC simulator.	- Process Control
	- Generated functional requirement specification for spares.	**Personal Competency**
ACHIEVEMENTS	- Reduced scrap generated from 12% to 1% through modifications.	- Drive change
	- Was awarded the best project for profit improvement for the year	- Positive Drive
		- Focused in tight situation
Date: Dec2005-Jun2008	Zuari Industries manufactures chemicals. My job was	- Determined
Company		- Organization values
Zuari Industries Ltd	- Tested configuration of Yokogawa YS1700 SLC using YSS1000 .	- Service minded
Position: Associate	- Performed Screen configuration and testing on SCADA Ifix 5.8.	- Create a difference.
Automation Engineer	- Debugged chemical production process with DCS and Control Valves.	- Attention to Details
	- Performed the process using fieldbus network of HART instruments.	**Language Skills**
		- Danish-Beginner
ACHIEVEMENTS	- Improved acid transfer controls saving 250,000DKK using omron PLC.	- English – Professional
	- Developed user guide for new SCADA system for process operators.	- Hindi – Native
	- Upgraded plant availability by 10% adding new maintenance checks.	- Konkani – Native
		Volunteer Services
Date: Aug1999-Nov2005	Sesa Goa manufactures Pig Iron. My job was	- English tutor-Red Cross
Company:		- Day time care taker
Sesa Goa Ltd	- Calibrated Process Instruments through scheduled procedures.	- Handy Man Repairer
Position: Senior	- Assessed Data Reports generated from PLC by OPC client.	- Event Helper
Automation Engineer	- Performed troubleshooting of process using PLC program editor.	
ACHIEVEMENTS	- Completed update of P&ID diagrams of changes done past 10 years.	
Date: Jan1999-Aug1999	Cyratron builds instruments for use in oil exploration. My job was	
Company:		
Cyratron	- Assembled electronic PCB's for communicating with 8031 processors.	
Position: Application	- Debugged programs and assembly code for 8031 microcontrollers.	
Engineer		

Education

July1994-Aug1998	Bachelor's Degree in Instrumentation Engineering.
University Karnataka	Process control-Sensors, Control valves, Controllers, Safety instruments
Dharwad, India	Power electronics – Converters, Inverters, Thyristors, Protection
	Microprocessors- 8085,8031,8086 programming, interfacing,application
Danish Education	Dansk diplomingenior/professions bachelor uddanelse i ingenior
Equivalency certified	
College Internship	Study of SCADA system in WTP at Zuari Industries India.
Project Thesis	Automation of Hydraulic System using Computer. 12 months' duration.