**ISA-84 FUNDAMENTAL CERTIFIED**

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**GOURAV KHANNA**

**Senior Project Engineer**

***Rockwell Automation Pvt. Ltd.(Global Engineering Center)***

*Instrumentation and Control Systems | AADvance,Trusted(Safety Products) | Control Logix, FT View Specialist | 8.8 yrs Exp..*

*Seeking challenging assignments in the areas of Instrumentation ,Automation of control systems & Commissioning with a growth driven organization.*

**Profile summary :**

* A dynamic Automation Professional, **holding 8+ years of experience** in **Automation Engineering and Commissioning** profile, gaining professional experience and expertise in **RS Logix 5000 , FT View SE/ME , Safety Systems PLC – AADvance , Safety Systems PLC – Trusted.**
* Main hands on Development and Commissioning for Oil And Gas, Safety Systems( BOP, Fire & Gas, ESD systems), Cement Industry Process( Kiln, Gringing and Packaging systems), Water Tratement systems.
* Certified **ISA84 SIS Fundamentals Specialist**
* Have an onsite experience of Blow Out Prevention Safety System Commissioning at South Korea.
* Experience on Commissioning and Maintenance of Field Instruments like Flow, Level, Pressure, Temperature etc. Transmitters and switches.
* Project startup, Kickoff meetings, designing, execution, commission and handover to customer.
* Control Panel Engineering, IO assignment, panel drawing, database development as per process logic.
* Development of Functional Design Specification (FDS), Detailed Design Specification (DDS),Software Design Basis (SDB) and User Requirement Specification (URS).
* Analyzing P&ID and breaking it down into logical components of Process Cell, Area, Unit and Phases.
* Development of Factory Acceptance Test (FAT) procedure document. FAT and Site Acceptance Test (SAT).
* Supports in development of the project schedule, scope, risks, issues, assumptions and constraints.
* Excellent client Management skills, with the ability to conceive profitable and efficient solutions utilizing technology.
* Travelled to locations Korea, Singapore, Oman, United States for Commissioning, FAT, Software Development, Customer meetings.

**Technical Expertise :**

* AADvance (Safety PLC)
* Trusted (Safety PLC)
* Control Logix ( RS Logix 5000)
* Factory Talk View (HMI)
* Gems Code Manager( Rockwell tool to develop Logic)
* PlantPax and GEMS (Rockwell Function blocks for coding of Logic).
* Moodbus TCP/IP, Serial communication, Cisco, Stratix Switches
* SIL2, SIL3 (ISA Fundamentalist)

**Projects :**

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| Project Name: | **Elba Liquefaction Project- Houston** |
| Project Description: | Liquefaction project, 2000 IO LNG Transport project, BPCS, SIS and F&G |
| Responsibilities: | Engineering related to Panel Layout, Networking, FDS preparation, Logic Development.  Travelled to Houston, US front office for 8 Months for Startup meets with customer development of Software and for FAT. Worked on documentation including Hardware drawings, FAT, ITP procedures, Network Layouts on Visio, IO List preparation using P&IDs, Loop Drawings using P&ID, SIL2 requirement documentation and Functional Blocks preparation for SIL2 safety systems. |

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| Project Name: | **ADMA – Additional Gas Supply to Onshore (SIL3)** |
| Project Description: | FAT for AADvance and FT View Studio System with 800 IO’s at Singapore Rockwell Automation office. |
| Responsibilities: | FAT and additional development as per customer requirement at RA Singapore. This had both Fire & Gas system and ESD system for Well system at Rigs. |

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| Project Name: | **Green Entech Water Treatment PWT, RO and Sewage project for Timimoun** |
| Project Description: | RS Logix 5000 coding using Plantpax objects and GCM software. FT View Studio ME for HMI for Produces Water Treatment system and RO System for Rockwell Automation Korea at Green Entech premises. |
| Responsibilities: | Engineering and Development of PWT, RO and Sewage system using control Logix and successfully finished FAT with Samsung at South Korea. Also development for 3rd Party Interface using Modbus TCP/IP.  Travelled to Seoel South Korea for 3 Months to have customer interaction and discussions related to project. Also developed and conduction FAT during that period of time. |

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| Project Name: | **IOCL Fire and Gas system** |
| Project Description: | Safety PLC AAdvance and FT View Studio |
| Responsibilities: | Code development on AADvance and HMI using Factory Talk Studio. And Commissioning at IOCL Chaksu Jaipur. |

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| Project Name: | **Tata Steel LD & BF Gas Holders** |
| Project Description: | Safety PLC AAdvance and FT View Studio to develop process logic for LD and BF gas holders |
| Responsibilities: | Code development on AADvance and HMI using Factory Talk Studio. Hardware Engineering and successful FAT with Tata steel Engineers |

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| Project Name: | **Valerus Code Modification for Fire and Gas and ESD systems** |
| Project Description: | Safety PLC AAdvance and FT View Studio for Rockwell Automation Houston, USA. |
| Responsibilities: | Code modification for F&G and ESD logic in AADvance as per customer specification for ESD and Fire & Gas system. |

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| Project Name: | **Musandum Gas Plant Boiler Commissioning** |
| Project Description: | Safety PLC AAdvance, FT View Studio M.E. for Rockwell Automation Singapore. |
| Responsibilities: | Commissioning activities for Boiler at Khsab Oman. |

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| Project Name: | **Blow Out Prevention development** |
| Project Description: | Safety PLC AAdvance, FT View Studio S.E. for Rockwell Automation U.K. |
| Responsibilities: | Involved in developing code for BOP safety system and also BOP simulators. Also developed a Marix which included all the isses raised while performing Commissioning at NOV Korea and implementing them in all almost 40 Projects till date done by Rockwell. |

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| Project Name: | **NOV Blow Out Prevention DS-8 Commissioning for Drill Ships (Blow out Prevention system) at Samsung , S. Korea** |
| Project Description: | Safety PLC AAdvance, RS Logix, Networking FT View Studio ,Kepware OPC |
| Responsibilities: | Engineering and Commissioning activities at South Korea for Samsung Heavy Industry for BOP, HPU units. |

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| Project Name: | **NOV BOP Sonagol-1 Commissioning for Drill Ships (Blow out Prevention system) at DSME S. Korea** |
| Project Description: | Safety PLC AAdvance, RS Logix, Networking FT View Studio |
| Responsibilities: | Engineering and Commissioning activities at South Korea for DSME for BOP, HPU units. |

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| Project Name: | **BPCS(Basic Process Control System)- Balao** |
| Project Description: | Control Logix programming for sequence logic of valves operation |
| Responsibilities: | Software development using GCM and GEMS object and Control Logix. |

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| Project Name: | **New Partial Oxidation Unit (Linde Project)** |
| Project Description: | Safety PLC Trusted (SIL3 project) |
| Responsibilities: | Drawings, Logic development on Trusted Workbench. Complete development handled from Drawing apporvals to designing of Logic on Trusted system. |

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| Project Name: | **BOP Simulator OCR 8 – Blow out prevention systems simulation kits** |
| Project Description: | Safety PLC AADvance and FT View SE |
| Responsibilities: | Simulators for Blow Out Preventions POD controls Logic and HMI development |

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| Project Name: | **Transocean GRS – F&G system for Drill ships** |
| Project Description: | Safety PLC AADvance and FT View Studio |
| Responsibilities: | Function Block Development and Logic Development for Fire and Gas systems installed at Drill Ships |

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| Project Name: | **Valero Compressor and Air Heater** |
| Project Description: | Control Logix and FT View Studio |
| Responsibilities: | Panel Hardware and Software pre FAT at Rockwell Houston US office |

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| Project Name: | **Crude LORAT** |
| Project Description: | Safety PLC AAdvance (SIL3 project) |
| Responsibilities: | Drawings, Logic development on AAdvance Workbench |

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| Project Name: | **Carteret Colonial HIPPS** |
| Project Description: | Safety PLC AAdvance (SIL3 project) |
| Responsibilities: | Drawings, Logic development on AAdvance Workbench and Panel preparation along with FAT at Rockwell Houston US |

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| Project Name: | **Acetic Acid Production, Eastman Chemical** |
| Project Description: | Safety PLC AAdvance (SIL3 project) |
| Responsibilities: | Drawings, Logic development on AAdvance Workbench and Panel wiring and commissioning. Also performed FAT at Rockwell Houston US. |

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| Project Name: | **Smelter DCS Upgrade** |
| Project Description: | PLC Code and HMI migration from Honeywell AM/HPM CL programs, DCS system |
| Responsibilities: | PLC code development and HMI development using RS Logix 5000 and FT View Studio. This was a 1000 Hr project performed individually |
| Comments: | Work included working on Ladder Logic and FT View SE |

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| Project Name: | **North Mill DCS Upgrade , SAHUARITA , AZ** |
| Project Description: | HMI Display Development |
| Comments: | Worked on FT View SE |

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| Project Name: | **Server Client Configuration in Virtual Environment** |
| Project Description: | Software Installation and Communication setup on Server Clients remotely |
| Responsibilities: | Rockwell software ( RS Logix 5000 , FT ViewSE 7.0 ) and verifying network connectivity |

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| Project Name: | **P & G, Oral Care Engineering** |
| Project Description: | Around 20 screens developed for Machinr Edition |
| Responsibilities: | HMI Screen development on FT ViewME |

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| Project Name: | **Shree Cement Limited Unit 7** |
| Project Description: | Clinker Production Plant Commissioning at Beawar Rajasthan |
| Responsibilities: | Field Instruments like Pressure Temperature Level etc, VFDs and PLC system installation and commissioning activities. |

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| Project Name: | **Shree Cement Limited Grinding Unit Roorkee** |
| Project Description: | Cement Production- Cement Mill and Packing Plant commissioning and Maintenance at Haridwar |
| Responsibilities: | Acting Lead for PLC and HMI development using RS Logix 5000 and FT View Studio. Plant automation for Cement Mill which includes Installation and commissioning of Plants instruments like Level, Pressure, Temperature etc. transmitters, VFDs, Compressors commissioning, Rockwell PLC commissioning ,Cement Packing Plant Automation and commissioning. Hydraulics commissioning for Roller Press KHD supply.  Involved in Maintenance activities at Haridwar unit for 1 Year. |

**Work Experience**

Position: **Senior Project Engineer**  
Dates: Jul 2012 – Present   
Company: Rockwell Automation Pvt. Ltd.  
Location : Noida   
Responsibilities: Development and Commissioning for Process and Safety Systems.

Position: **Senior Engineer**  
Dates: Oct 2008 – June 2012   
Company: Shree Cement Limited  
Location: Beawar, Haridwar   
Responsibilities: Project Commissioning and Maintenance of Filed Instruments and Plant Automation.

**Language skills**

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| English (Read. Write, Fluent) | * Hindi (Read. Write, Fluent) |

**Declaration:**

I hereby declare that the above mentioned information is correct upto my knowledge.

Name : Gourav Khanna

DOB : 19/08/1986