

MAN IOAN ADRIAN

LEAD ENGINEER

PROFESSIONAL PROFILE

I started my career in Emerson in 2019 as a Senior Engineer. With a background in automation field, more than ten years of project experience in the design, implementation and leading teams. The transition was quite easy for me, on the Emerson's software and procedures. Since then, I was involved on various projects in the chemical, oil & gas industries and lately pharmaceutical. I worked on all stages of projects, from design, configuration to commissioning and had the possibility to lead a small team of colleagues.

SKILL HIGHLIGHTS

Good communication skills
Teamwork
Organization
Agile

LANGUAGES

Romanian – Native
English – Advanced (B2)
French – Medium (A2)

CONTACT

EMAIL: manioanadrian@gmail.com
PHONE: (+4) 0746-198 982
LOCATION: Cluj-Napoca

EDUCATION

- Bachelor's degree in electrical engineering, Technical University of Targu-Mures, Automation and Computer Science Faculty

EXPERTISE AND COMPETENCES

Software Experience

- DCS DeltaV
- SCADA Siemens
- Various PLC's
- C# .Net dev.
- Android dev.

Field of Expertise

- Leading and organizing teams
- Agile way of working
- Develop & debug systems on DCS/SCADA, PLC's and HMI.
- Different types of communication protocols like ProfNet, ModBus TCP/IP & RTU, EthernetIP, Profibus, OPC UA, ASI, KNX, MQTT, Serial interfaces.
- Hardware troubleshooting

Industries

- Oil & Gas
- Chemical
- Pharma
- Automotive
- Various other (wood, packaging, etc.)

Certifications

- 7009 – DeltaV Implementation I
- PAS001 - Engineering Level 1
- PAS002 – PCSD EQM
- PAS003 - PCSD Batch
- PAS004 – Engineering Level 2
- GAMP5 - Understanding and Applying
- 7016 – DeltaV Batch Implementation
- 7018 - Hardware & Troubleshooting
- 7027 –DeltaV System Administration
- 7425 – DeltaV Advanced Graphics with DeltaV Live
- Lead001 – Leading level 1
- Electrical safety
- Project Data Link
- Siemens S7 v5 level 1
- Siemens TIA level 1
- Siemens TIA level 2
- Siemens TIA Safety
- Risk Assessment Certificate
- Agile certification

WORK BACKGROUND

Emerson (Aug 2019 – present)

- Job title: Lead Engineer
 - Multiple Projects in the Oil & Gas, Chemical, Pharma industries, as per the following timeline:
- *Novartis - Austria (Aug 2023 – present)*
 - Job title: Base layer Lead Engineer
 - Project description: The project goal is to install a new high volume cell culture manufacturing plant.
 - Responsible of the base layer team from:
 - Developing new classes
 - Testing and qualifying them
 - Building and maintaining the base layer across multiple systems on and of site.
 - Developing the new HMI interface.
 - Organize client meetings and demos.
 - *MSD Ballydine - Ireland (Jan 2022 – Aug 2023)*
 - Job title: Area Lead Engineer
 - Project description: The project objective is to replace the actual automation Phoenix Contact solution with a DeltaV system.
 - Main responsibilities included:
 - Responsible of the indirect utilities & misc. area.
 - This includes area design (DS, DDS, ILK, Tests)
 - Local area lead for Cluj team.
 - Create tests and transfer to site procedures.
 - Keeping in track with MSD COE library.
 - Develop new CM classes as per project need.
 - Assisting client on iFAT with different vendors.
 - *METEX Renovation - France (Oct 2021 – Jan 2022)*
 - Job title: Senior PAS Engineer
 - Project description: The project objective is to develop a custom batch solution with flexible configuration for R&D in a DeltaV system.
 - Main responsibilities included:
 - Create & optimize a flexible EQM custom solution.
 - Implementation of EQM's & HMI.
 - Testing & Closing Deviations.
 - *TGE Avonmouth – England (Nov 2020 – Sep 2021)*
 - Job title: Lead Engineer
 - Project description: The project objective is to convert the plant from an LNG facility to an LPG facility where LPG will be stored.
 - Main responsibilities included:
 - Generate documentation (DSP, FDS, GUIDE, INT, TSP)
 - Organize remote meetings with customer to prepare documents and also clarify functionality or input documents received from them.
 - Offering support to configuration team (Design Review, Code Review, and Internal Test of all required Equipment Modules).
 - Assigning tasks for the team members.
 - Testing base layer and customer modules.
 - Testing customers EQMs.
 - EQM code review.
 - Organize the iFAT with the client.
 - Commissioning the project in CJ
 - Closing Deviations
 - Preparing the as built documentation.

- *Afyren Neoxy - France (Sep 2020 – Nov 2020)*
 - Job title: Senior PAS Engineer
 - Project description: The project objective is to build a production facility to produce a family of 7 organic acids.
 - Main responsibilities included:
 - Face to face meetings with customer to prepare configuration documents (creation of Equipment Modules and FDS Guidelines).

- *TKIS Anwil - Poland (June 2020 – Sep 2020)*
 - Job title: Lead Engineer
 - Project description: The project objective is to build a production facility to produce nitrogen fertilizer.
 - Main responsibilities included:
 - Take place of the Lead at the end of the project and organize the FAT with the customer
 - Create TSP documentation
 - Base layer config
 - HMI configuration
 - EQM's code review

- *Metex Noovista - France (Nov 2019 – June 2020)*
 - Job title: Senior Project Engineer
 - Project description: The project objective is to build a production facility to produce Propanediol (PDO) and Butyric Acid (AB).
 - Main responsibilities included:
 - Base layer config
 - HMI configuration
 - EQM's configuration

JR Automation (March 2015 - July 2019)

- Job title: Automation Lead
- Multiple Projects in the automotive field:
 - (Valeo) France – EGR valve assembly
 - 2x (Honeywell) France - Centre Housing Rotating Assembly
 - (Valeo Flex 3) Poland - Rear Windshield wiper assembly
 - (Mahle G2x) Timisoara – Air cleaner assembly
 - 4x (Honeywell) Presov - Centre Housing Rotating Assembly

- Main responsibilities included:
 - Organize, monitor & evaluate team members to ensure a good quality and results on the projects.
 - Create ISO documents: Functional analysis, Organic analysis, Risk assessment, Design specifications and others specific for the projects.
 - Create a link between client & company
 - Software commissioning, development & debugging
 - Assisting the sales organization in demonstrations, presentations, engineering estimates and solutions
 - Technical support for clients & other departments
 - Organizing trainings with new employees
 - Integrate Traceability on the built lines

FSA Technologies (Oct 2013 - March 2015)

- Job title: Automation Engineer
- Multiple Projects in the automotive field:
 - (Delphi US) Mexico - Compressor assembly
 - (Valeo VMX) Mexico – Front Windshield wiper assembly
 - (Valeo Flex) Poland - Rear Windshield wiper assembly
 - (Valeo Fog) Poland – Foglights assembly and test

- (MGI) Timisoara – Tank assembly & leak test
 - (Inergy) Germany - Tank assembly & leak test
 - (Valeo XL) Poland – Headlights assembly
 - (Sensata) Bulgaria – Welding electronics
 - (Valeo Lights) Timisoara - Headlights assembly
 - (TRW) Germany – Steering wheel assembly
- Main scope of the job was software development and implementation including debug, FAT, SAT tasks.
 - Proficient in the following programming languages: IEC 61131-3 Ladder diagram (LAD/LD), Function block display (FBD), Statement List (STL/ST), Structured Control Language (SCL), Sequential Function Chart (SFC), Instruction list (IL), ST, Continuous Function Chart (CFC).
 - Programming Controllers with Siemens Step 7 & TIA Portal, Allen Bradley with RSlogix 5000 and 500, Schneider Electric in Unity Pro.
 - Integrating robots, traceability and different actuators in the process.
 - Human machine interfaces as Siemens WinCC, Allen Bradley in Panel View, Schneider Electric with Vijeo Designer and Proface.

Kastamonu Entegre (Aug 2009 – Oct 2013)

- Job title: Automation Engineer
- New facility for melamine chipboard.
- Various responsibilities including commissioning.
- Role in the company was to develop, debug and startup the newly built chipboard factory by utilizing the following software and equipment's:
- Programming Controllers like Siemens PLC in Step 7 & TIA Portal, Allen Bradley PLC Rslogix 500
- Human machine interface as WinCC Flexible
- Scada software interface in WinCC Scada & Wonderware
- Electrical design with Eplan/Autocad
- Programming and commissioning Drive Converters from Sinamics G/S, Micromaster and SEW Inverters as Movidrive