Paweł **Warzecha**

ENGINEERING SYSTEMS ANALYST · SMART 3D EXPERT

The Hague, Netherlands

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"A smooth sea never made a skilled sailor."

Summary

Motivated and experienced Engineering Systems Analyst with over fourteen years of experience within Energy Industry. Solution oriented with vast experience working across many software platforms with proficiency in mega and large multi-office EPC Projects. Skilled in an assortment of technologies, including .NET, C#, Python and Microsoft SQL Server. Adept in identifying and solving complex computer system and software issues. Equipped with a diverse and promising skill-set, knowledgeable in Industry 4.0, Digital Transformation, Data Engineering and always willing to learn new skills. My dedication, patience and resourcefulness are a few of my skills that contribute to my productivity and high standards.

Education

Cracow University of Technology *Krakow, Poland*

FACULTY OF MECHANICAL ENGINEERING *2004 - 2010*

- M.Sc. in Materials Science

Work Experience

McDermott International, Inc. *The Hague, Netherlands*

SENIOR IT PILLAR SPECIALIST *May 2018 - present*

- Working as Lead Smart3D Administrator & 3D Coordinator on various EPC projects.
- Smart 3D coordinator on MOPEX (Multi Office Project Execution) EPC Projects.
- Engineered and deployed project-specific and company-standard piping supports using C# and .NET technology.
- Set up of Citrix Servers to host Smart 3D Client.
- Set up and configuration of SQL databases for Smart3D including SQL replication with satellite offices. Troubleshooting MSSQL Server issues.
- Collaborate on the integration effort of Smart3D with SmartPlant Foundation.
- Complex reporting including SQL and .NET custom reports.
- Development and implementation of custom tools.
- Review new release notes to initiate necessary application upgrade.
- Coordinate subcontractors, other offices and JV partners within Global Workshare environment.

Detailed description of *Key Tasks and Responsibilities* can be found on my personal website: https://pawel.tech/resume

Chicago Bridge & Iron Company N.V. (CB&I) */acquired by: McDermott International, Inc./* *The Hague, Netherlands*

ENGINEERING SYSTEMS ANALYST *May 2016 - Apr. 2018*

- Smart 3D administrator providing overall cross-discipline support for engineering task force on various EPC projects.
- Setup and management of new and existing engineering projects within SmartPlant 3D.
- Identifying and analyzing automation opportunities, developing custom solutions and enhancements for better and faster project execution.
- Implementing external references including As-Built Point Cloud data and PDMS models.
- Setup and configuration of the Rule Checker Service (RCS) and Interference Checking Service (IFC).
- Customizing deliverables based on project requirements.
- Contributing to improvements and standardization of project execution and Company standards.
- Troubleshooting, identifying and solving problems, analyzing warning signs and finding the solutions.
- Continually seeking opportunities to increase end-user and Client satisfaction.

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SNC-Lavalin Group Inc. *Warsaw, Poland*

SMARTPLANT 3D / SP PI&D ADMINISTRATOR *May 2014 - Apr. 2016*

- Responsible for coordinating and supporting all SmartPlant Enterprise level activities for Smart 3D and SmartPlant P&ID.
- Providing overall cross-discipline 3D model coordination.

CH2M Hill Companies, Ltd.

Krakow, Poland

PROCESS PIPING ENGINEER & SMARTPLANT 3D ADMINISTRATOR

Jul. 2012 - Apr. 2014

- Responsible for implementation, administration and maintenance of the SmartPlant 3D in Krakow Office.
- Providing administrative assistance to SmartPlant P&ID Administrator.
- Plant and piping design activities.

Sodaconsult S.C

Krakow, Poland

ASSISTANT PIPING DESIGNER

Nov. 2011 - Jul. 2012

- Plant and piping design activities.
- Preparation of drawings, specs and MTOs.
- Creating isometric drawings using Autocad 2D.
- Assisting senior designer in design of custom process equipment.

Inter-Raf Sp.J

Krakow, Poland

ASSISTANT PIPING DESIGNER

Sep. 2010 - Nov. 2011

- Plant and piping design activities.
- Preparation of drawings, specs and MTOs.
- Creating isometric drawings using Autocad 2D
- Conducting fieldwork inclusive of walk downs of current systems, locating tie-ins and measuring.
- Coordination and preparation of documentation for state regulatory authorities.

Skills

Programming	C#, Python, PowerShell
Back-end	Flask
Front-end	HTML, CSS
Containerization	Docker
Data handling/analysis	SQL, Pandas, Power BI
Operating Systems	Windows, Linux
Languages	Polish, English

Certificates

My certificates are available on my personal website: pawel.tech