

JÁN ŠÍMA

+420777981040

SIMAJ21@GMAIL.COM

I am motivated professional with education in chemical engineering field and I had various roles in process design, process safety and complex projects integration. The fields where I have had these roles were chemical, food and pharmaceutical manufacturing, natural gas distribution including LNG and alternative energy gases handling and various innovation projects. The experience with process safety role allowed me to perceive the risk and reliability side of the projects. In my projects I have extensively cooperated with other professionals - mainly with the engineering teams, but also the business and legal affairs on the other side. I see as a pleasure to find a solution to the complex projects with different and sometimes contrary requirements. As a person I have a searching nature and have a good imagination which as I believe is a good personal traits setup for managing of risk aspects of innovation projects.

EXPERIENCE

2022 – NOW

PROCESS SAFETY ENGINEER, GASNET S.R.O

- Providing of support with Process Safety aspect for the activities and projects in GasNet.
- Emphasis of Process safety of new technologies - e.g. LNG, hydrogen technologies and others.
- Definitions of technical and safety requirements for our vendors and their technologies. Providing of risk analysis for these projects.

2015 – 2021

TECHNOLOGY DESIGNER (PROCESS), 3D CHEMOPRAG A.S.

- Execution of the process part of the projects – Drawing of P&ID/PFD diagrams, process calculations and equipment specification. Overall coordination, and presentation of projects. Cooperation with other professionals in the project scope.
- Aim on evaluation of process safety aspects of the project. Execution of Process Safety Studies, sizing of safety items (e.g. safety/overpressure valves, vessels breathing...). Member of committee for issue of the ATEX documentation. Procter & Gamble corporate certification to prepare the Process Safety Studies.
- Project examples: Procter&Gamble - manufacturing of liquid and granulated detergents and deodorants (Egypt/Cairo, CZE/Rakovník, Belgium/Mechelen, USA/Alexandria, Philippines/Cabuyao, Mexico/Mexico City, Uralati/Romania and others). Wrigley/Mars - manufacturing of sweet confectionery (CZE/Poříčí nad Sázavou). Duracell - manufacturing of alkaline batteries (Belgium/Aarschott)

2014– 2015

TECHNOLOGY DESIGNER (PROCESS), LAB & PHARMA, SPOL. S.R.O.

- Design of concept for technology of pharmaceutical production facilities. Solving of process layout of the pharmaceutical storage. Execution of process diagrams and process description of infusion solution production.

- Business trip to construction site of pharmaceutical production plant in Saint Petersburg, Russia.

2010

INTERN, JAPANESE GASOLINE CORPORATION

- Three-month internship provided by IAESTE.
- Estimation of Solid Deposition in Slurry Pipeline Flow. CFD modeling in ANSYS.
- Introduction to the company activities.

EDUCATION

2008-2014

UNIVERSITY OF CHEMICAL TECHNOLOGY IN PRAGUE, FACULTY OF CHEMICAL ENGINEERING

- 2008-2010: Process engineering and informatics – Chemical engineering, bioengineering, and mathematical modelling of processes
Title: Ing.
- 2010-2014: Chemical engineering, doctoral study

2005-2008

UNIVERSITY OF CHEMICAL TECHNOLOGY IN PRAGUE, FACULTY OF CHEMICAL ENGINEERING

- 2005-2008: Engineering and management – Process engineering, informatics and management
Title: Bc.

SKILLS

- Process Design
- Process Safety
- Natural Gas Distribution
- Ability To Work Under Pressure
- Chemical Engineering

LANGUAGE SKILLS

- English - advanced
- Russian – beginner
- Czech/Slovak – native speaker