János Mészáros

Software Engineer – Freelancer

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Adaptable professional transitioning from chemical engineering (MSc) to **software engineering**, with 13 years of leadership in performance management, LEAN methodologies, and project execution. Skilled in problem-solving, system optimization, and delivering results-driven solutions.

Known for critical thinking, team leadership, and a passion for technology. Now focused on applying an analytical mindset and continuous improvement to software development.

Motto: "Always try to be out of your comfort zone because that's where the magic happens!"

Skills

Leadership in Multidisciplinary Teams	Sustainability & Strategic Innovation
System & Process Optimization	Daily performance management
Project Management	Critical Thinking
Analytical Problem-Solving	JavaScript, React, Deno, Node.JS

Work History

2024-03 – Current

Freelancer
Various

- Providing development and consulting services to diverse clients.
- My projects have ranged from building web applications to optimizing back-end systems.

2020-01 – 2024-03

Plant Manager
K&P Chem, Szolnok & MOL Plc, Százhalombatta

- Managed sulphonating plants with focus on optimization and safe operations.
- Managed 10 plants around Diesel and Gasoline Production line at Danube
- Supporting the construction works of new plants.
- Direct reports: 120 blue-collars and 10 white-collars

2017-10 - 2020-01

Hydrogen Technologist
MOL Plc, Staphylomata

- Technology coordination of 10 plants of 'Reforming and Hydrogen Production'

2015-01 - 2017-10	**Project Engineer**
	MOL Group, Százhalombatta

- Providing project management to implement, coordinate and supervise strategic projects. (E.g., "Diesel conversion increasing at hydrotreater plant" with 40 MUSD budget)

2012-01 - 2015-01	**LEAN expert**
	MOL Plc, Százhalombatta

- Drove operational improvements which resulted in savings and improved profit margins. (E.g., 2 MUSD/year saving by Energy and Yield related actions, reduced Hydrocarbon loss at Danube Refinery by 5%).
- Trained more than 100 people with basics of LEAN philosophy.

Education

2013-09 - 2015-09	**Zero To Mastery and other Online Courses**
	https://zerotomastery.io/
	Computer Science
	Advanced JavaScript, Complete Web Developer, TypeScript, DENO

2013-09 - 2015-09	**Bachelor of Science: Engineer Economist**
	Budapest Business School - Budapest
	Finance and Accounting Specialization
	Thesis: "Sensibility analysis of unit utilization changing on EBITDA"

2010-01 - 2012-01	**Master of Science: Chemical Engineering**
	University of Pannonia - Veszprém
	Petroleum and Petrochemical Technology Specialization
	Thesis: "Reducing aromatic content of middle distillates"

2006-09 - 2010-01	**Bachelor of Science: Chemical Engineering**
	University of Pannonia - Veszprém
	Technology Specialization
	Thesis: "Planning carbon-dioxide capture technology for flue gases"

Languages

English | Hungarian