

# Tihamér Gál

*Mechanical Engineer*

## Professional Summary

Mechanical Engineer with 8 years of experience in product development, redesign, and manufacturing optimization. Strong background in CAD design (Certified SolidWorks Expert), value engineering, and practical problem solving with focus on product improvement.

## Experience

### *Mechanical Engineer*

*Dekobo Spain S.L. (2024 - 2026)*

- Improved product designs to enhance reliability and cost efficiency
- Evaluated and introduced new manufacturing technologies to support process improvement
- Supported sales by providing solutions to meet customer-specific requirements
- Utilized 3D printing for rapid prototyping and production of custom components

### *Assoc./Staff/Sr. Product Engineer*

*Flowserve Corporation (2019 - 2024)*

- Led and supported value engineering projects focused on reducing product cost
- Redesigned mechanical components to improve manufacturability and modularity
- Contributed to valve redesign enabling transition from forging to casting
- Performed 3D scanning and analysis to identify manufacturing deviations
- Facilitated cross-functional workshops with international engineering, manufacturing, and sourcing teams to support technical decision-making
- Supervised workshop operations, ensuring equipment readiness and safety compliance



## Contact

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## Education

- **Mechanical Engineering**

John von Neumann University  
2012 - 2018

- **Engineering**

Secondary School of Engineering and Computer Science  
2008 - 2012

## Language

- English (Fluent)
- Spanish (Intermediate)
- Hungarian (Native)

## Competencies

- Value Engineering
- Product Optimization
- Process Improvement
- Reverse Engineering
- Prototyping & Testing
- 3D CAD Design
  - SolidWorks
  - Autodesk Inventor
  - Solid Edge

## **Mechanical Engineer**

*Matic Kft. (2018 – 2019)*

- Created 3D models and manufacturing drawings for sheet metal structures
  - Programmed CNC panel bender machine for complex sheet metal components
  - Supported production processes from design through assembly
  - Maintained technical communication with international customers
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## **Engineering Intern**

*Linamar Hungary Zrt. (2016)*

- Analyzed and optimized operator workflows after a lean audit, reducing the number of required operators

## **Certifications**

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- SOLIDWORKS Expert – Mechanical Design
  - Dassault Systèmes
- Geometric Dimensioning & Tolerancing
  - EUMETROLOGY Kft.
- Value Engineering
  - Argo Inc.
- Fundamentals of Pneumatics – P111
  - Festo Didactic
- P4 Basic and StreamBEND Programming
  - Salvagnini
- European Computer Driving Licence
  - ECDL/ICDL Certification
- Crane & Forklift Operator Licence
- Category „B” driving licence