

Yavuz Selim Civelek

Mechanical Engineer | Dublin, Ireland

PROFESSIONAL SUMMARY

Mechanical Design Engineer with hands-on experience in both technical design and project leadership roles within automation, special-purpose machinery, and robotic production systems across automotive and medical device industries. Proven ability to lead projects from concept through design, manufacturing, and commissioning, while contributing directly to 3D/2D design, BOM preparation, and on-site technical support. Experienced in coordinating teams, suppliers, and clients to deliver projects in line with technical and schedule requirements.

PROFESSIONAL EXPERIENCE

Mechanical Design Engineer – Adapt Engineering | Dublin, Ireland (02/2025 – Present)

- Designed and developed medical device automation machines for global clients such as Boston Scientific, Medtronic, DSM, etc.
- Converted machine concepts into detailed mechanical designs using 3D CAD (SolidWorks).
- Produced detailed machine and factory layouts, BOMs, and part lists in line with industry standards.
- Collaborated with cross-functional teams, suppliers, and clients, providing engineering support during build, testing, and commissioning.

Project Leader – SimetrikPro Automation | Bursa, Turkey (03/2022 – 02/2023)

- Led automation projects for automotive OEMs such as Ford, Toyota, etc., covering design through commissioning.
- Planned and tracked project schedules, resources, and key deliverables.
- Acted as the primary technical interface between management, clients, suppliers, and on-site teams.
- Supported supplier selection and provided technical guidance to engineering and assembly teams.

Mechanical Design Engineer – SimetrikPro Automation | Bursa, Turkey (01/2020 – 03/2022)

- Designed robotic production lines, special-purpose machines, and source/tooling fixtures for automotive projects (Ford, Toyota, etc.).
- Prepared 3D/2D designs, BOMs, and part lists using SolidWorks.
- Supported on-site assembly and commissioning activities and worked closely with customers to optimize designs.

Mechanical Design Engineer – ONS Machine | Bursa, Turkey (12/2018 – 01/2020)

- Designed robotic production lines, special machines, and source/tooling fixtures for automotive customers (Renault, Toyota, etc.) using CATIA V5.
- Prepared detailed 2D manufacturing drawings and coordinated ordering processes for production.
- Generated part lists and BOMs and supported the implementation of designs during manufacturing and assembly phases.

EDUCATION

B.Sc. Mechanical Engineering – Uludag University | English Language Studies – IBAT College, Dublin

SKILLS

SolidWorks, SolidWorks PDM, CATIA V5, DraftSight, MS Office, MATLAB, C/C++, Mechanical Design, Automation, Medical Device Machinery, Project Leadership, Project Management

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