

TRƯỜNG THÀNH GIA THỊNH

Mechanical Design Engineer

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SUMMARY

With a solid foundation in piping and mechanical engineering, I aim to build a progressive career in the piping discipline. In the next 1–2 years, I seek to deepen my technical expertise and broaden my knowledge of international engineering standards. Over 3–5 years, I aspire to advance into a Senior Piping Engineer role, taking on greater design responsibilities and leading engineering teams, with a long-term goal of growing into a Lead Piping Engineer overseeing full project execution.

EDUCATION

Bachelor of Engineering Mechanics, Ho Chi Minh City University of Technology. GPA: 6.2/10	Sep 2019 - Nov 2025
Analysis of Shear Reinforcement for Punching Shear Resistance in Reinforced Concrete Slabs, Capstone Project at HCMUT.	Apr 2023 - Jun 2023

WORK EXPERIENCE

Doctor House Service And Trading Engineering Company Limited	Sep 2022 - Oct 2022
MEP Shop Drawing Engineer Intern. Develop detailed shop drawings for mechanical, electrical, and plumbing (MEP) systems based on project specifications and architectural	
MATSUSHO VIET NAM CO., LTD.	Nov 2024 - Apr 2025
Piping Design Engineer. Shibaura Panasonic Project: - Analyzed client-provided P&ID documentation and translated requirements into detailed 3D piping and support frame drawings using Rebro software, under the supervision of the project manager. - Partnered with the project team to deliver comprehensive construction drawings, support fabrication drawings, and Isometric drawings in AutoCAD, maintaining strict adherence to technical standards and project specifications. - Contributed to design review sessions and drove optimization efforts to enhance constructability, identify design conflicts early, and ensure seamless execution during the construction phase.	
GLOCOM TRADING AND PETROLEUM SERVICES COMPANY LIMITED (GLOCOM)	Jul 2025 - Nov 2025
Mechanical Design Engineer: - Designed and developed precise 2D/3D engineering drawings for pressure vessels, storage tanks, skids, and lifting frames, ensuring full compliance with industry standards and fabrication accuracy. - Evaluated and specified mechanical components — including pumps, valves, fans, and motors — based on client technical requirements and process conditions, ensuring optimal equipment selection. - Conducted mechanical and structural calculations covering wall thickness, lifting load analysis, and support strength assessments; compiled detailed calculation reports and structured design spreadsheets for project documentation. - Generated accurate Material Take-Offs (MTO) and Bills of Materials (BOM) to support cost estimation, tendering, and procurement workflows, contributing to efficient project planning and budget control. - Reviewed design and fabrication drawings to verify manufacturability, dimensional accuracy, and consistency across all project deliverables, minimizing rework and production delays. - Authored comprehensive technical procedures and work instructions covering equipment installation, operation, preventive maintenance, and lifting activities to ensure safe and standardized execution on site. - Performed site surveys and led modification and retrofit works on existing equipment and structures, delivering practical engineering solutions within operational constraints. - Provided hands-on technical support to fabrication and QC teams by resolving engineering queries, clarifying design intent, and upholding product quality standards and project schedules.	

Mechanical & Piping Engineer:

- Developed detailed 3D piping models and generated Isometric drawings using AutoCAD 2D/3D and AutoCAD Plant 3D, ensuring accuracy and compliance with client P&ID requirements and applicable engineering standards.
- Designed pipe support and structural support frames, including selection of support types, sizing, and positioning to ensure mechanical integrity and constructability.
- Prepared comprehensive Material Take-Offs (MTO) by extracting and quantifying all piping components, supports, and fittings from 3D models, supporting accurate procurement and cost estimation.
- Collaborated with project teams to produce construction and fabrication drawings, ensuring consistency across all design deliverables and alignment with project specifications.
- Participated in design reviews and incorporated feedback from construction and QC teams to resolve clashes, improve accuracy, and enhance overall installation efficiency.

TECHNICAL SKILLS

Computer-Aided Design (CAD)

3D Modeling

Finite Element Analysis (FEA)

ADDITIONAL INFORMATION

Software: Ansys, AutoCAD 2D 3D, AutoCAD Plant 3D, Solidworks, Inventor, Rebro, Python, MATLAB, HTML, CSS, PHP, Javascript, Microsoft Office.

Languages: English (TOEIC LR 525)

Awards/Activities: Won in the 2019 Applied Science Faculty Technical Festival for the project “Badminton Training Assistant Machine”.