

Ehsan Rahili Khorasani

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Professional Summary:

Versatile Civil and Structural Designer with broad experience in engineering design, drafting, and project coordination for infrastructure, industrial, and building projects. Skilled in the design of steel and concrete structures, water and wastewater systems, and mechanical/electrical layouts. Proficient in AutoCAD, SolidWorks, Tekla Structures, and SketchUp, with a strong grasp of construction documentation, *estimation*, and time scheduling. Known for producing accurate, build-ready drawings and collaborating effectively with engineers and field teams. Committed to practical, efficient, and high-quality project solutions.

Available to work throughout British Columbia, including field and hybrid roles.

Key Skills

- 2D & 3D CAD Modeling (AutoCAD, SolidWorks, Tekla Structures, SketchUp)
- Civil, Structural, and Mechanical Drafting
- GD&T, BOMs, Technical Documentation
- Cost Estimation, QA/QC, and Time Scheduling
- Construction Drawings & As-Builts
- Field Coordination, Multidisciplinary Collaboration

Work Experience

Senior Engineering Designer | *Demizine Technology – Vancouver, BC | Feb 2021 – Present*

- Created 2D/3D CAD models and fabrication drawings for industrial systems.
- Applied GD&T and tolerance analysis to enhance manufacturability.
- Led design reviews and coordinated QA/QC and procurement processes.
- Developed mechanical and electromechanical systems and documentation.

Design & Drafting Engineer (Part-Time) | *PAARAAG Industrial Group, Vancouver, BC | Jul 2021 – Feb 2024*

- Created shop and installation drawings for steel components and industrial equipment. (beams, columns, stairs, railings)
- Conducted QA/QC checks, verified materials, and prepared material take-offs.
- Collaborated with engineers and installation teams to ensure accuracy and compliance.

Education

- B.Sc. in Civil Engineering | Shiraz University
- M.Sc. in Restoration & Reclamation of Historic Monuments & Areas | ART University, Tehran
- Executive MBA | Ehdas Construction R&D Institute, Tehran

Licenses & Certifications

- Canadian Wood Framing (CWF)
- AutoCAD Certified
- Valid Class 5 Driver's License
- Estimator Certificate

Software Proficiency

AutoCAD | SolidWorks | Tekla Structures | SketchUp | MS Office | MS Project | Bluebeam | SAP2000 | ETABS | SAFE

References available upon request