



PAYMAN HOSSEINI

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Structural Design and Analysis Engineer with over 6 years of experience in the analysis and design of reinforced concrete, steel, and industrial structures, holding an MSc in Earthquake Engineering. Strong background in seismic analysis, performance-based design, and advanced structural modeling using ETABS, SAP2000, SAFE, and AutoCAD. Experienced in integrating engineering judgment with software-based analysis, constructability review, and structural redesign. Comfortable working in technical office environments and remote engineering teams, with a focus on accuracy, code compliance, and practical design solutions.

EXPERIENCE

DEC 2025

JAN 2026

OCT 2019

DEC 2025

PROJECT EXECUTION ENGINEER – STRUCTURAL REDESIGN & SITE COORDINATION

Represented the structural design team and contractor on-site for a 20-story steel building, ensuring design-construction consistency.

Identified structural and constructability issues and proposed engineering-based redesign solutions with the design office.

Reviewed structural drawings and site conditions to resolve execution conflicts.

Implemented practical structural solutions under real construction constraints.

STRUCTURAL SOFTWARE SUPPORT & STRUCTURAL DESIGN ENGINEER

Provided online technical support for PARNO, a structural engineering software for modeling, code checks, and drawing preparation.

Verified software performance to ensure compliance with Iranian and international design codes.

Reviewed and redesigned submitted steel and reinforced concrete projects to address code noncompliance.

Designed several reinforced concrete and steel structures alongside support responsibilities.

EDUCATION

SEP 2018

AUG 2021

SEP 2014

AUG 2018

MSC – EARTHQUAKE ENGINEERING, TEHRAN POLYTECHNIC

Thesis: Modeling Damper Failure and Its Effect on Structural Behavior

BSC – CIVIL ENGINEERING, UNIVERSITY OF GUILAN

STRUCTURAL ENGINEERING SKILLS

- Structural analysis and design of reinforced concrete, steel, and industrial structures
- Structural redesign, optimization, and constructability review
- Advanced modeling of complex geometries and irregular structures
- Innovative problem-solving and creative approach to structural challenges
- Code-based structural design and verification using latest editions of ACI 318, AISC 360, ASCE 7, and Iranian National Building Codes
- Engineering judgment in software-based analysis and design decisions

SOFTWARES

- ETABS, SAFE, SAP2000
- AutoCAD, Tekla Structures, PARNO
- MATLAB, Python, C# (engineering applications)
- Microsoft Excel, Word, PowerPoint

LANGUAGES

- English (Professional Working Proficiency)
- Kurdish (Native)
- Persian (Native)