

ARASH K. PAKZAD

Civil and Structural Engineer

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PERSONAL SUMMARY

Arash has over 10 years of experience in designing, executing and managing both small- and large-scale civil engineering projects. He is able to prepare projects to the highest standards, particularly design, schedules, plans and drawings. He possesses a broad range of technical, personal effectiveness and leadership skills and uses rigorous logic and methods to come up with effective solutions to difficult problems.

AREAS OF EXPERTISE

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|-------------------------------|-------------------------|---------------------------|
| • Civil and Structural Design | • Construction | • Project Management |
| • Building Codes | • OBC and CSA Standards | • Analytical Skills |
| • Infrastructure Projects | • Residential Buildings | • Commercial Buildings |
| • Cost Estimation | • Financial Evaluation | • Documentation |
| • MS Office and MS Project | • ETABS, SAP2000, SAFE | • AUTOCAD Civil 3D, REVIT |

SKILLS

- Experienced in civil/structural design and construction management
- Familiar with Ontario Building Code and CSA standards
- Experienced in producing technical specifications
- Experienced in various design and construction procedures and maintenance techniques
- Superb critical thinking skills e.g. evaluate designs and develop plans, CPMs and schedules
- Experienced in budgeting and the financial monitoring of projects
- Proficient in Microsoft Office and MS Project
- Proficient in civil engineering and modeling software: ETABS, SAP2000, SAFE, Revit, AutoCAD Civil 3D

WORK EXPERIENCE

Behin Sazan Sorena, Iran

Civil and Structural Engineer, 2008 – 2018

Projects:

- **10 Story Commercial Building with Steel Frame Structure, 2016 - 2018**
Civil and Structural Engineer
- **6 Story Residential Building with Concrete Frame Structure, 2013 - 2016**
Civil and Structural Engineer
- **7 Story Residential Building with Concrete Frame Structure, 2012 - 2013**
Civil and Structural Engineer

Responsibilities:

- Executed the structural design procedure as a design team member
- Advised on architectural and mechanical plans and CPMs as a design team member
- Checked and approved the calculations of designed structure according to design codes

- Performed feasibility, economic analysis and cost estimation of the project
 - Prepared timelines and schedules for construction procedure
 - Coordinated with Municipality and other government agencies for all project documentation required
 - Managed budgets and project resources
 - Executed and supervised Setting out, leveling and surveying the site
 - Prepared as-built drawings and supported home office design team with plans, drawings and associated documentations
 - Controlled and supervised executive procedure to meet plans, schedule and associated codes
 - Evaluated and recommended required materials and controlled their quality, considering the related standards and quality control test results
 - Held meetings and liaised with clients and professionals including architects, design team members and subcontractors, regarding determination of the project's requirements
 - Prepared, controlled and approved minutes of meetings
 - Considered all Health, Safety and Environmental factors for the project and ensured there are formal risk assessments in place to mitigate all hazards
 - Provided immediate solution to problems at site for on-going construction issues
 - Prepared various sorts of documentations e.g. contracts, daily site progress report, tender documents and financial evaluation of the project
- **Residential Complex Including 12, Seven Story Buildings with Concrete Frame Structures, 2010 – 2012**
Junior Civil Engineer
 - **6 Story Residential Building with Concrete Frame Structures, 2008 - 2010**
Junior Civil Engineer

Responsibilities:

- Participated in structural design procedure
- Prepared as-built drawings and supported home office design team with plans, drawings and associated documentations
- Participated in feasibility, economic analysis and cost estimation of the project
- Executed Setting out, leveling and surveying the site
- Prepared various sorts of documentations e.g. contracts, daily site progress report, tender documents and financial evaluation of the project
- Participated in Preparing timelines and schedules for construction procedure
- Tracked project performance to analyze the successful completion of short- and long-term goals

EDUCATION

International Institute of Earthquake Engineering and Seismology, Iran

Master's Degree in Civil Engineering - Earthquake Engineering

K.N. Toosi University of Technology, Iran

Bachelor's Degree in Civil Engineering