

Kouros Momeni
529 St Germain Ave
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Jul 24, 2018

Re: Job posting for Associate, Civil Engineer (Structural)

Dear Madam/Sir,

I am very excited to apply for the position of Associate, Civil Engineer (Structural) at your company. Here is a summary of my qualifications and experiences that relate well to this position:

- Experience in structural condition assessment, reporting and remediation measures
- Design of steel and concrete structures in conformance with provincial, national and regulatory codes; retrofit design for steel and concrete structures
- Experience with site examination, asset integrity programs management and developing analysis reports for the use of owners and other stake holders
- Have developed proposals and won retrofit projects
- Developed and led engineering teams toward successful completion of engineering projects
- Extensive experience in structural engineering at residential, commercial and industrial projects

During my latest positions in Bruce Power and WorleyParsons, I used effective communications to create engineering analysis, evaluation reports and remediation plans for degraded structures.

I believe my qualifications and skills make me an excellent candidate for this position and enable me to start functioning effectively at this position very early on. I am looking forward to the opportunity to meet with you in person and discuss how I can contribute to 30 Forensic Engineering.

Sincerely

Kouros Momeni, P. Eng. M. Sc, PMP

KOUROS MOMENI, P.ENG, M.SC. PMP

529 St Germain Ave
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HIGHLIGHTS

- More than 20 years of experience in structural analysis and design of steel, concrete, masonry and wooden structures as well as construction site engineering in industrial, institutional, commercial, hospitality, transit, infrastructure and underground structures
- Proficient in feasibility studies and detail design, development of specifications and design criteria, structural assessment, proposals, estimates and reporting
- Proficient in structural engineering software such as STAAD.Pro, STAAD Foundations, SAP2000 and RISA-3D
- Proficient in Canadian design codes and standards (NBCC, OBC, and CSA S16 and A23.3)
- Built up and led structural engineering teams

WORK EXPERIENCE

Bruce Power

Civil Engineer

Feb 2017- Jun 2018

- Acting Lead owner's engineer in multi-disciplinary projects
- Completed condition assessment of degraded structures and issued engineering evaluation reports
- Completed the review, design and verification of steel and concrete projects
- Developed Scope of work documents

WorleyParsons, Eastern Canada Operations

Sep 2013-Nov 2016

Principal Structural Engineer

- Led structural and architectural team in developing scope of work, specifications and tender packages for infrastructure buildings, co-ordinated building layout and developed site plans, led structural support team for infrastructure facilities, developed project infrastructure structural and architectural deliverable and budget and provided monthly progress reports
- Reviewed structures in two gold processing plants (in Dominican Republic and Argentina), evaluated structural integrity of plant structures and collaborated on providing a report on status of structures and remediation measures
- Completed the analysis and design and oversaw drawing issue for heavy civil foundations and piling in feasibility stages of a nickel smelter expansion project in Indonesia
- Provided proposals and completed a series of detailed engineering retrofit projects for surface and underground facilities for Vale

Projects include: Vale Overflow Program (Sudbury ON), Salem Harbour Combined-Cycle Gas Turbine Power Plant, Asset Integrity Program for Barrick Gold, Kami Iron Ore Project and Indonesian Growth Project (Indonesia)

Lycopodium Canada, Toronto ON

Sep 2011-Aug 2013

Lead Structural Engineer

- Designed and led a structural team in engineering gold processing projects; structures include crushers, electrical substation and pipelines
- Provided support to site engineering, addressed technical queries and reported project progress using earned value method
- Developed structural specifications and engineering design bases

Projects include: Ahafo Mill Expansion (Ghana), Buzwagi Detoxification Expansion (Tanzania) and Tasiast Mine Expansion (Mauritania)

Amec Americas

Sep 2008-Aug 2011

Project: Kearl Oil Sands Project (ExxonMobil/Imperial Oil)

Lead Structural Engineer & Construction Engineer (Kearl construction site, Alberta)

KOUROS MOMENI, P.ENG, M. SC. PMP

- Oversaw general contractor's work, addressed requests for information and spec deviation and non-conformance reports and resolved construction issues; construction areas included utilities plant, electrical substations, steam generators/boilers, pipe racks, tank farm, and water intake structures
- Performed analysis and design of steel structures and piling
- Performed dynamic analysis and designed vibrating heavy machine foundation
- Led a team of structural engineers and designers in analysis and design of utilities plant main pipe rack
- Oversaw project piling design, monitored project schedule and liaised with geotechnical engineer of record

Bantrel Co., Toronto ON

Jan 2007-Sep 2008

Senior Structural Engineer

- Co-designed coker tower structure and led a team in concept design, steel modularization studies, main pipe rack material take off and preliminary estimate of earthwork for refinery main infrastructure units in Suncor Horizon Refinery

Halcrow, Toronto ON

Oct 2004-Jan 2007

Project Manager

- Coordinated a multi-disciplinary team in preliminary design phase of Toronto Union Station rehabilitation project for GO Transit; Led a multi-disciplinary team in developing design-build specifications for Burlington GO Transit multi-storey parking garage
- Oversaw structural design for development of commercial mega complex in Calgary; coordinated consultants in revamp, extension and upgrading of Holiday Inn hotels; designed and oversaw construction in Peel District School Board schools' renovation, revamp and asbestos removal
- Developed proposals and monitored projects' budget and schedule; issued weekly client update reports

Halcrow, Toronto ON

Jun 1999-Apr 2003

Structural Engineer

- Reviewed steel connection design and shop drawings and inspected steel and concrete work for compliance with project specifications and issued progress and deficiency reports in Lester B. Pearson Airport development
- Designed concrete structures for York University Computer Science Building

Poolad Consulting Engineers, Tehran, Iran

Feb 1991– Sep 1998

Structural Engineer

- Analyzed and designed steel and concrete structures in cement, pulp and paper and steel plants and zinc smelting projects; structures included concrete silos, heavy industrial concrete (mix beds, etc.) and steel structures, pipe racks and industrial warehouses with overhead cranes
- Designed underground subway stations for Tehran's Subway System

EDUCATION AND ACCREDITATION

2005 Project Management Professional (PMP) Designation

2004 MBA, Queen's University, Kingston ON (Dean's Honour List)

2001 Member of the Association of Professional Engineers Ontario (PEO)

1994 Master of Science, Structural Engineering (First Class), Tehran University

1990 Bachelor of Science, Civil Engineering, Tehran University

TRAINING

2013 Design of diaphragms in steel buildings for seismic loads, AISC

2005 Workshop on LEED EB (Leadership in Energy and Environmental Design- Existing Buildings)

2003 "Construction Contract Documentation and Construction Specifications" courses by Construction Specifications Canada (CSC)

OTHER SOFTWARE

SmartPlant 3D, Navisworks, MSEW, WoodWorks, Mathcad, Microsoft Excel, Word and PowerPoint

Working knowledge of AutoCAD