

COVER LETTER

Oct 25, 2024

RE: **Construction Foreman**

Dear Hiring Manager;

Please consider my application for the **Construction Foreman** position. I believe that my skill set and experience match well with your needs. I have included my resume for your review and look forward to learning more about your company.

In my previous positions (Civil Site/Structural Engineer) with Kabul Municipality, Afghanistan, I handled tasks very similar to what you outlined in your job ad. With my ability to learn, I know I can quickly close any knowledge gaps to become an asset to your team.

It is mentionable that I have about 8 years of experience as a civil structural engineer, civil site engineer and quality assurance/data verification engineer with national and international organizations. I obtained my master's degree in civil engineering in Structural Design Lab at Ritsumeikan university in Japan. I have also completed the degree requirements for my PhD course in structural engineering at Ritsumeikan University. Additionally, I have been doing research on modular structure at the UBC since November 2023.

I have effective communication skills and the motivation to take on challenging work. I am confident that I have the knowledge and experience you need.

Due to the collapse of Afghanistan and family circumstances, I claimed an asylum in Canada while doing my research as a Visiting International Research Student (VIRS) at the UBC. I hold refugee status with a legal work permit and residence permit. As a hardworking individual and experienced civil engineer with a strong record of dedicated services, I am confident that I can be a valuable addition to your team.

I've attached my resume with additional details of my work experience and qualifications. If you have any questions, please feel free to contact me. I am sincerely looking for the opportunity to join your team and shape my career.

Sincerely,
Hamid NIKZAD

Note: I have a valid Class 5 BC driving license and own a car.

HAMID NIKZAD

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EXPERIENCE

OCTOBER 2018 – AUGUST 2021

CIVIL STRUCTURAL ENGINEER

INFRASTRUCTURES DIRECTORATE OF KABUL MUNICIPALITY (AFGHANISTAN)

The Infrastructures Directorate of Kabul Municipality performs survey, planning, analysis and design of horizontal infrastructures such as roads, bridges, culverts, and drainages within Kabul City based on the objectives of sustainable and balanced development. This directorate report directly to Kabul Mayor and Technical Deputy Mayor. I was involved in reviewing design drawing, shop drawing and supervising construction activities of building structures, bridges and culverts implemented by the contractor.

APRIL 2020 – OCTOBER 2021

DATA VERIFICATION ENGINEER/QA ENGINEER (HYBRID)

ASSES, TRANSFORM, REACH (ATR) COSULTING, TPMA-ARTF WORLD BANK

Assess Transform Reach (ATR) Consulting performed work pursuant to a contract with the World Bank. The base contract was effective from January 1, 2020 to December 31, 2021 and has been extended through July 2022. This contract is financed by donors to the Afghanistan Reconstruction Trust Fund. Assess Transform Reach (ATR) Consulting has provided Third-Party Monitoring services to the World Bank. Working remotely, I utilized online platforms such as Fulcrum, Survey CTO, ARTF-TPMA, and Deviation of Verification to monitor and evaluate construction projects across Afghanistan. The projects I was involved with included the Education Quality Reform in Afghanistan (EQRA) and the Citizens' Charter Afghanistan Project (CCAP). My role involved analyzing the social interview with beneficiaries of the projects, identifying failures, and deviations in the physical infrastructures of ongoing and completed projects, proposing solutions, and reporting them directly to ATR, the World Bank, and relevant ministries.

OCTOBER 2012 – AUGUST 2016

CIVIL SITE ENGINEER

MAINTENANCE AND WORK DIRECTORATE OF KABUL MUNICIPALITY

The Maintenance and Work Directorate of Kabul Municipality implement and perform the maintenance of horizontal and vertical physical infrastructures such as buildings, roads, bridges, culverts, drainages, sidewalks, parks, classic and cultural structures within Kabul city. I was involved in different projects as a site engineer.

EDUCATION

APRIL 2022 – MAR 2025

PHD IN CIVIL ENGINEERING, RITSUMEIKAN UNIVERSITY, JAPAN

I am a PhD research student majoring in Advance Architectural, Environmental and Civil Engineering. My original research topic is on optimal placement of outrigger in a core wall system structure with combined energy dissipation devices. So far, I have published three academic research papers and presented my research outcomes at two international conferences in Greece. I have also submitted a technical journal paper for review as part of my academic activities.

NOVEMBER 2023 – SEP 2024

**VISITING INTERNATIONAL RESEARCH STUDENT (PHD-VIRS), CIVIL ENGINEERING,
THE UNIVERSITY OF BRITISH COLUMBIA (UBC-VANCOUVER)**

I was a VIRS, department of Civil engineering at the UBC. As part of my VIRS program, we had been actively engaged in collaborating with partner industries on modular construction project. The project includes a 20-story real-world modular steel structure with RC core wall. So far, we have developed a finite element of the model and performed the preliminary analysis to assess the seismic behavior of the structure, the behavior of the connections, and overall performance of the modular structure.

SEPTEMBER 2016 – SEPTEMBER 2018

MASTER OF ENGINEERING, RITSUMEIKAN UNIVERSITY, JAPAN

I was a research master student in Civil Engineering at Ritsumeikan University. My research topic during my master`s course was “Optimal Seismic Design of Shear Wall-Frame Structures”. During my master`s course, I was able to publish three conference research papers and presented my research outcomes at two international conferences in France and Canada.

APRIL 2008 – SEPTEMBER 2012

B.SC CIVIL ENGINEERING, KABUL POLYTECHNIC UNIVERSITY, AFGHANISTAN

Department of Hydraulics and Hydraulic Structures, faculty of construction, with the design of irrigation structure, dams, canals and structural components of buildings.

CONFERENCE PARTICIPATION AND PRESENTATIONS

1. COMPDYN 2023, 9th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering 12-14 June 2023, Athens, Greece
2. SBE23-Thessaloniki “Sustainable Built Environments: Paving the way for achieving the targets of 2030 and beyond” Greece, Thessaloniki, Mar 22-24, 2023.
3. ICCSSE 2018: 20th International Conference on Composite Structures in Structural Engineering in Vancouver, Canada, Sep 17-18, 2018
4. ICCSEE 2017: 19th International Conference on Civil, Structural and Environmental Engineering Paris, France, Sept 21-22, 2017.

PUBLICATIONS

1. Optimizing Outrigger Placement with Buckling Restrained Braces (BRB) for Improved Seismic Performance in Super-Tall Buildings.
2. Optimal Placement Method of Outrigger with BRB in a Core Wall System Structure.
3. Application of Power Algorithm Optimization Procedures for Optimal Placement of BRB in 3D Shear Wall Frame Building Structure
4. Optimal Seismic Design of Reinforced Concrete Shear Wall-Frame Structures
5. Design Application Procedures of 15 Storied 3D Reinforced Concrete Shear Wall-Frame Structures
6. Practical Design Procedures of 3D Reinforced Concrete Shear Wall-Frame Structures Based on Structural Optimization Method
7. Structural Optimization Method for 3D Reinforced Concrete Building Structures with Shear Wall

AWARDS

- Ritsumeikan Advanced Research Academy (RARA) Fellowship (2022-2025)
- The Kubota Grant Fund (2022-2024)
- Best Presentation Award by the 20th International Research Conference, Vancouver, Canada 2018

PROFESSIONAL SHORT-TERM TRAINING (USAID)

- Construction Project Management (3-months)
- Future Leaders' (6-months)
- Urban Planning (3-months)

SOFTWARE SKILLS

- CSI ETABS
- CSI SAP2000
- Auto CAD (2D)
- Microsoft Office

OTHER SKILLS

- Proper understanding of American Building Code (ACI-318), ASCE-7 Standard, CSA-16-19, NBCC-2020 and CLT.
- Proper knowledge and understanding of structural analysis and structural design (concrete, steel and modular structures)
- Proper knowledge and understanding of construction project management, site supervision and quality assurance.
- Outstanding research skills and ability.
- Report writing (academic and professional).