



Junior Structural Engineer - Syria

About us

Turquoise Mountain supports artisans and communities to protect and revitalise their heritage. Our work is rooted in the belief that cultural heritage has the power to transform lives. Founded in 2006 by His Majesty King Charles III, we work directly with artisan communities in Afghanistan, Myanmar, Saudi Arabia and the Levant. To date, we have trained and employed over 11,500 artisans, restored more than 170 historic buildings, provided primary healthcare to over 250,000 patients, and education and cultural heritage programmes to over 4,500 children.

Turquoise Mountain is registered with the Scottish Charity Regulator.

Turquoise Mountain has been working with Syrian artisans in Jordan since 2019. We are now expanding our operations to Syria to contribute to the revitalisation of Syria's great craft traditions and the urban regeneration of cities like Aleppo.

Khan al Wazir is one of Aleppo's most significant Ottoman era caravanserais, heavily affected by conflict and now undergoing a multi-phase restoration and structural consolidation program. The project aims to stabilize the historic fabric, revive traditional craftsmanship, and prepare the Khan for adaptive reuse as a cultural and economic hub.

About the role

To support this effort, we are seeking a motivated person who is eager to learn, grow, and contribute to a high impact heritage project under expert supervision.

The Junior Structural Engineer supports the structural consultant in assessing damage, preparing consolidation drawings, supervising structural works, and ensuring safe intervention in a complex heritage environment. The role includes hands on training in structural conservation and traditional construction systems.



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Registered Office: Princes Exchange, 1 Earl Grey St, Edinburgh EH3 9EE

Turquoise Mountain Trust is a registered charity no. SC037343 and as a company no. SC299579

Key responsibilities

- Conduct structural surveys, crack mapping, and documentation of damage patterns.
- Assist in preparing structural analysis, calculations, and consolidation proposals.
- Produce structural drawings, including reinforcement details, shoring plans, and intervention sketches.
- Support the structural consultant in evaluating load paths, stability issues, and risk areas.
- Supervise on site structural works: shoring, stitching, grouting, stone replacement, and tie rod installation.
- Coordinate with the architectural team to ensure compatibility of interventions.
- Prepare technical reports, site notes, and progress documentation.
- Participate in training on traditional structural systems, lime-based mortars, and reversible interventions.
- Ensure compliance with heritage appropriate structural methods and safety standards.

This list is not exhaustive, and other duties may be required as determined by the needs of the organisation.

Person Specification

Professional approach

We are looking for a highly collaborative professional.

Personal attributes

This role is based in Aleppo, and the post-holder must be willing to work on site in the Old City full-time.

Qualifications

A Bachelor's degree in Civil or Structural Engineering is required.





Specific job skills and experience

Essential

- Demonstrable post-qualification work experience in Civil or Structural Engineering;
- Strong understanding of structural principles and basic analysis.
- Ability to read and produce technical drawings (AutoCAD required).
- Knowledge of SAP2000/ETABS (basic level acceptable).
- Interest in structural conservation and traditional building systems.

Desirable

- Experience with structural assessment of old buildings and familiarity with stone masonry behaviour and consolidation techniques are desirable.

Skills and abilities

- Strong IT skills including experience of software detailed above, as well as Microsoft 365 software (Teams; Outlook; Word; Excel etc.).
- Good organisational skills and attention to detail.
- Capable of working under pressure to meet deadlines.
- Fluent in Arabic, both verbal and written.
- A good standard of English, both verbal and written.
- Be dependable and credible, with the ability to establish good working relationships at all levels.





What we offer

The role includes a structured training programme including:

- Workshops on lime plaster, stone masonry, and traditional materials.
- Mentorship by senior structural and conservation experts.
- Exposure to international conservation standards and donor reporting.
- On-site learning in a complex, multi-phase heritage project.
- Opportunities for long-term career development within the Khan al-Wazir program.

The role is offered initially on a consultancy basis for a period of twelve months.

This role has been assessed as a grade 3 per Turquoise Mountain's pay strategy.

Remuneration will be in the region of \$800 USD per month, depending on experience.

We particularly welcome applications from people already living or working in Syria.

How to apply

Please use the link below to complete a short form prior to uploading your CV and a brief cover letter outlining how you fit the person profile, including your relevant experience of working in Aleppo and interest in the role.

https://forms.cloud.microsoft/Pages/ResponsePage.aspx?id=OOMINC2LIky7_k0ZGL3wfph3cD5TrC5DgNAa8MrY2IhUQjZEN0VXTUINR043QUZYTiozMzBCR0JKTC4u

Please combine your CV and cover letter as a single pdf document, and do not upload any other documentation, we do not require recommendations, references, or certificates at this stage.

Please submit your application no later than 10th July 2026.



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