

## **Zahra Ghafourian**

### **Civil Engineer**

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#### **Professional Summary**

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I am seeking a job position as a civil engineer, and I have a range of highly relevant skills and around ten-year experience in civil engineering in oil and gas industry and water services with a strong academic background.

I have effective communication, team-working, and problem-solving skills. Besides, I am very systematic, self-motivated, self-organized, and open to the continuous process of learning.

#### **Core Competencies**

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Proficient with Office programs such as:

Word, PowerPoint, Excel, Access, and Outlook

Proficient with design and calculation programs such as:

Civil3D, AutoCAD, ABAQUS, GeoSlope, GIS, StormCAD, HEC-RAS

#### **Education**

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- Amirkabir University of Technology - Tehran Polytechnic  
**Master's degree, Hydraulic Structures**  
Sep 2012 - Feb 2015
- Amirkabir University of Technology - Tehran Polytechnic  
**Bachelor's degree, Civil Engineering**  
Sep 2008 - Jul 2013
- National Organization for Development of Exceptional Talents (SAMPAD)  
**High School Diploma, mathematical**

## Work Experience

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- **Civil Engineer**

- **Monenco Engineering Company**

- Full-time (July 2023– Present)

- (Proficient in Civil 3D, Oil and gas standards, and Engineering documents in the field of civil engineering and oil and gas pipeline)

- ✓ Detailed design service project of Gas Storage Development in Khangiran Field.

- (Including:

- ✓ Wellheads and Mud pit rough grading in civil3D (for 10 separate wellheads)
    - ✓ Volume calculation, cut and fill optimizing
    - ✓ Burn pit locating considering safety requirements
    - ✓ Access roads(plan & profile)design
    - ✓ Design and rough grading of 4 Manifolds
    - ✓ Surface water channel design)

- **Civil Engineer**

- **Tarh O Palayesh Engineering Company**

- Full-time (Apr 2022 – June 2023)

- (Proficient in Civil 3D, Oil and gas standards, and Engineering documents in the field of civil engineering and oil and gas pipeline)

- ✓ Detailed design service project of the 16-inch Marun gas transmission line with a length of 16 km

- (Cooperation in preparing the Route plan as well as plan and profile 1/2000 and 1/10000, preparation of general and technical documents of the project and rough grading)

- ✓ Consulting services to upgrade the safety system of South Pars refineries

- (Including placement of foam and water tanks, design of access roads and surface water channel, review of underground maps and placement of required new facilities)

- ✓ Consulting services for the design of the Kish gas field development plan

- (Cooperation in preparing the pipeline route and its profile in the onshore and offshore sectors)

- **Structural and hydraulic expert**

- **Ideh Pardazan Tosseh Consulting Engineering Company**

- Full-time (2019 – 2021)

- ✓ The project coordinator of the construction of a 12-kilometer retaining wall in the vicinity of the Shour River in Rafsanjan

- ✓ Design of earth dams in sub-basins of Kerman suburbs

- ✓ Designing the surface water network of the inner-city area in Kerman
- ✓ Organizing the rivers of Rafsanjan with a length of 100 km
- ✓ Hydraulic calculations of rivers in Kurdistan province with a length of 160 km

- **Hydraulic expert**

- **Bandab Consulting Engineers**

- Full-time (2016 – 2018)

- ✓ Cooperation in 1<sup>st</sup> phase 2<sup>nd</sup> of Zahedan flood control project - Calculations and Design of gravity channels
  - ✓ Cooperation in 1<sup>st</sup> phase studies of Nowshahr-Chalous dam project
  - ✓ Water supply department expert
  - ✓ Cooperation in the water supply network project in Zahedan city
  - ✓ Cooperation with dam construction group
  - ✓ Cooperation in the Hajilar dam project; Three-dimensional analysis of the dam core

- **Tender expert and PMO office expert**

- **Shahran Sazeh Project Management and Construction Co.**

- Full-time (2013 – 2016)

## **Publications**

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- ICOLD 25th Congress/ICOLD 83rd Annual Meeting Symposium Hydropower'15  
“Analysis of behavior of Masjed Soleyman rockfill dam”
- 10th International Congress on Civil Engineering:  
“An investigation of the effect of strength parameters on the behavior of Masjed Soleyman earth dam’s core by three-dimensional analysis”  
  
“An assessment on the effect of narrow valley in Masjed Soleyman earth dam by 2D and 3D numerical analysis”
- Master's thesis  
“The assessment of earth dams’ cores erodibility potential in narrow valley by 3D numerical analysis”

## **Languages**

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- Persian (Farsi): Native
- English: Upper Intermediate