

Rafeequl Islam

Structural Engineer

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Summary

- A professional Civil Engineer with 3 years of experience and rich domain knowledge in roads and infrastructure (underground utilities) projects worth SAR300 million+ in Saudi Arabia (Middle East) and Germany
- Excellent interpersonal skills with experience in communication and coordination, with people at different organizational levels and educational backgrounds
- Focused, hardworking and team oriented with ability to work within high pressure environments to meet agreed deadlines while surpassing expectations and coordinate multiple tasks
- Ability to learn quickly and get familiar with a complex project environment, capable of building high performing teams with peoples from varied cultures
- Liaising and communicating with consultants and subcontractors to understand project requirements, timelines and constraints

Key Skills: Infrastructure Works • Building Construction • Project Management • Quality control • Building Information Modeling (BIM) • Structural Engineering

Professional Experience

Company Name: OL Planungs- und Ingenieurgesellschaft mbH, Bautzen, Germany

Structural Engineer

November 2020 - January 2021

- Analysis and design of structural entities such as retaining wall, noise reduction barrier (parallel to railway tracks) according to relevant design codes and geotechnical data
- Preparation of structural design calculations according to specifications provided using in house DC software and drawing of reinforcement plans
- Assisting in preparation of shop drawings and providing inputs to CAD Technicians

Company Name: Shapoorji Pallonji Mideast (L.L.C), Kingdom of Saudi Arabia (November-2014 to July-2017)

Project: Mayasem Development Project (Phase – I, Roads and Infrastructure), Jeddah

Civil Engineer

April 2015 – July 2017

- Supervision, monitoring and day to day management of site works as per approved shop drawings, method statements, standard details and project specifications
- Lead a diverse team of professionals, including surveyors, technicians, foreman, labors etc. for keeping the project on time and on budget
- Planning the work and efficiently organizing the site resources in order to meet the agreed deadlines, attending regular progress meetings and preparing site progress reports
- Supervision and evaluating the work of sub-contractors on the project and make sure they are in compliance with drawings, standards & specifications
- Excavation and pipe laying (steel, concrete, vitrified clay, UPVC, HDPE & GRP pipes) for underground utilities and their testing (Hydrostatic, Pressure and Mandrill test)
- Construction of manholes (Storm and Sewer water) for wet utilities and underground chambers (Irrigation, potable water and fire networks) for valves and fittings
- Coordinate with the consultant's representative for inspection of works and meeting about quality problems including closure of Non-Compliance Report

- Inspections of construction activities such as reinforcement checking, concreting, water proofing in wet areas etc. and ensuring it is same as in approved shop drawing and on site
- Installation of kerbstone along with laying of sub-base course, base course including asphalt
- Estimating the total quantity of civil works including requirement of man power & machinery
- Assisting in preparations of material submittals, method statements, checklists etc.
- Assisting in preparation of Shop and As-Built drawings

Project: **King Abdullah Financial District (Tower 4.10 and 4.11), Riyadh**

Civil Engineer

November 2014 – March 2015

- Execution of Architectural works and finishing works such as water proofing & screed for wet areas, tile / marble installation in floor/ wall by wet mixing
- Working on block masonry, plastering & gypsum partition and high level closing using mechanical & structural sealant
- Coordination with MEP team for obtaining clearances and installation of grid work and its gypsum false ceiling and painting

Education

➤ **MSc in Advanced Computational and Civil Engineering Structural Studies (ACCESS)**

[Technische Universität Dresden](#), Germany (October, 2017 to February, 2020)

Grade: 2.7 (German Grading System)

➤ **Bachelor of Technology (Honours) in Civil Engineering**

[Aligarh Muslim University](#), India (2010 to 2014)

Grade: 9.045 (Indian Grading System)

Academic Projects

- **Master Thesis**
“Investigation of data sharing in the Structural Engineering Domain”
- **Master Project**
“Literature and experimental investigation of the shrinkage behavior of different strain-hardening cement-based composites (SHCC)”
- **Bachelor Project**
“Design of pavements resting on geo-fiber reinforced subgrade soil”

Miscellaneous Information

Languages Hindi (Mother Tongue), English (Fluent) and Arabic (Basic)

Software Microsoft Office, AutoCAD, Revit 2018, STAAD Pro, ETABS

Credentials and Rewards

- Ranked **7618 out of 90872** candidates in **GATE (Graduate Aptitude Test in Engineering)** Examination of 2014
- Got scholarship from “**Gesellschaft von Freunden und Förderern der TU Dresden e. V.**” during Master’s Thesis at Technical University of Dresden from October-2019 to January-2020

References: Available on request

Place: Aligarh, India

Date: 30th June, 2021