

# Mohammed Bakhsh

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## Objective

A highly motivated and results-driven Civil Engineer with over five years of experience in project management, engineering consultancy, and contractual compliance in the U.S. and Saudi Arabia. Currently contributing to the Project Management Department at Surbana Jurong, I have worked on high-profile infrastructure, urban development, and engineering projects, including The Bow & The Lake in TROJENA NEOM, King Fahad National Library, and several residential and commercial developments. With a strong foundation in proposals, contract administration, cross-disciplinary coordination, and stakeholder management, I bring expertise in engineering design, infrastructure development, and project execution.

## Experience

### Surbana Jurong Consultants

(April 2023 – Present)

#### *Civil Engineer – Business Development (September 2024 - Present)*

- Refined project data sheets and capability statements to support company expansion and partnerships.
- Lead the breakdown of client Statements of Work (SoW), PQQ/EOI submissions, and opportunity management processes, including technical and commercial proposals.
- Coordinate between design directors, subject matter experts, and technical leads to align on client requirements and approvals.
- Manage CRM systems to track potential client requirements, deadlines, and high-level communications.
- Ensure compliance with procurement department standards and contractual obligations.
- Develop and structure proposals, ensuring alignment with client needs and company capabilities.
- Overlook and track all ongoing proposal deadlines related to the company's business line that engaged in the middle east reign.

#### *Civil Engineer – Project Management*

- **TROJENA (The BOW) | NEOM, KSA** (January 2024 – August 2024) 8 months
  - The Bow packages involved in (Bow conceptual design & detailed design, façade & interior assets, and Asset Brief)
  - Streamline contractual obligations on timely progress reports. Coordinate between design directors, subject matter experts, and technical leads to align on client requirements and approvals.
  - Conducted meetings under MDC's workshops with Client, PMC, and sub-Consultants overseas.
  - Worked closely with QA/QC Department in ensuring SoW & DMP applied through the project daily KPIs.
  - Coordinated with all subconsultants involved in Architectural, Landscape, Signage & wayfinding, Acoustic, ICT, Façade, interior design, MEP, quantity surveying, suitability and structure.
  - Planning updates on all aspect of projects phases in the Conceptual Design, Developed Design and Detailed Design.
  - Track of books Developing in each stage like specifications and technical reports, drawings, models, detailed designs, and data collection results.
  - Delivering submissions on management, execution plans, and milestones.

#### *Civil Engineer – Project Management*

- **TROJENA (The Lake) | NEOM, KSA** (April 2023 – December 2024) 8 months
  - The lake packages involved in (Early Works, Dams, Lakebed, Lakebed liner & Construction Engineering, Lake Perimeter Infrastructures, Site Wide Infrastructure (outside Lake Valley Cluster))
  - Responsible of preparing Weekly and Monthly Progress reports on Client contractual obligations.
  - Timely managed finance, control, and planning teams to insure validity of project progress from the detailed design to issue for construction.
  - Coordinated with all Disciplines Leads involved in RCC dam, rock fill dam, infrastructure, Geotech, special roads, construction, wet utility & dry utility, solid waste, and mobility.

- Tracked All internal and external interface engagement matrix, RFI's, and commercial status.
- Increased productivity in the control team by following up on their assigned tasks and achievements on baselines.
- Advised a group of ten graduates to the working environment manners technics.
- Reviewed all stakeholders involved commercially in change requests under EoT, PCR's, and V/O.

### **FAD Alkhalijiah Contracting**

(April 2022 – April 2023)

*Civil Engineer – Engineering management*

- **King Fahad National Library, Riyadh, KSA**
  - Government entity Operation & Maintenance Contract, and Rehabilitation
  - Led Civil and Architect department technicians and Initiated Monthly progress reports on all disciplines and sub-contractors.
  - Tracked Facility management plans and project close out folders to create assets base, and spare parts.
  - Responsible of reviewing As-Built Drawings and updating to the recent job order.
  - Prepared daily strategies aligned with Operation and Maintenance Contract.
  - Ensured all safety criteria are being considered while executed work.
  - Assists on studying tender bid evaluation.
  - Monitor all water proofing basins, machines, and fountains, works on structure analysis like cracks and how to avoid it from appearing, solved different hidden structure critical failure.

### **Rafea Tamleek Real Estate Development**

(March 2021 – March 2022)

*Site Engineer – Construction Management*

- **Multi Residential housing projects, Al Rayan Dist. Jeddah, KSA**
  - Inspect the Daily engineering checkouts over contractors and sub-contractors' progress.
  - Attended Cast in situ with framework and steel tie rod inspection.
  - Followed up with geotech laboratory for post concrete sample tests.
  - Tracked technicians and interfaced in between different buildings.
  - Counted in spare parts for filling up columns respect to undergrounds dimensions.
  - Engaged with the consultant on replacing cantilever beam size with respect to market rebar.

### **Turner construction company as a client side with TSU**

(June 2020 – December 2020)

*Graduate Engineer – Construction Management*

- **Establishing a new 4-story library, Houston, TX, USA**
  - Watched closely over 300 technicians order taking on every early morning board.
  - Talked closely with construction management and discussed BoQ.
  - Inspected building frameworks, conducted safety checks, and performed quality control tests such as framing, sawdust measurements, and aggregate sieve tests.

### **Education**

#### **Awarded Bachelor of Science in Civil Engineering Degree**

(May 2020)

Texas Southern University, Houston, TX, USA

Relevant courses:

- Transportation, Environmental, Water/Wastewater, Hydraulics, and Geotechnical Engineering  
Geometric Design of Highway, Building Construction, Plan Surveying, Engineering Graphics, Strength of Material, Structural Analysis, Applied Fluid Mechanics, Hydrology and Water Resources. Structure Steel, Reinforced Concrete, and Computer Aided Design.

Academic Projects:

- Solved a Term Project on adding an extra floor above an existing building beams, slabs, and columns; with respect to live and dead load considering safety analyzing despite building (December 2019)
- Participate individually in brief feasibility study held on maximizing rainwater flow capacity flood on Post Oak Boulevard Project, Uptown, Houston. (September 2019)
- Led a group of four students through completing from scratch a senior project for Condition Assessment of Metro Bus Shelters in Houston's Ward 3 District. (July 2019)
- Solved a simulated problem in developing a new highway segment obstructed by an existing highway, determined speed limit, and estimated cost with proper analyzing. (May 2019)

## Soft Skills and Abilities

- Work under pressure, regarding time manners.
- Learn quickly, and self-improvement from colleagues advises.
- Figure out mistakes and solve it after returning to every side's vision.
- Participate in groups, and communicate with members politely.
- Listen, pay extra attention to orders, and won't discard responsibilities.
- Set work, company growth as a priority along with self-developing.
- Locate and predict improper machines from its noise and movement.

## Technical Skills

- AutoCAD 2D and 3D, within school courses, familiar with codes and command techniques.
- Operating ArcGIS, use it's basics in adding data, and converting maps to AutoCAD.
- Starter in programing language in C++.
- Microsoft Word, Excel, and PowerPoint for Windows and Mac OS.
- Solving complex Mathematical and Statistical problems, and converting units.
- Considering safety equipment first and risk preventions for team crew.
- Familiar with some of the ASTM standards, Knowing some steel and strength standers from AISC.
- Recognizing some of AASHTO for soil, structural, and highway standards.
- Data Analysis in PowerBI.
- BIM design management and Revit.

## Certification and Membership

- Certificate of the society for collegiate leadership and achievement.
- Member of SCLA.
- Honor Roll 2018-2019.
- Active society member in American Society of Civil Engineering (ASCE).
- Active member of NSPE, Texas 26: Greater Houston, Texas Society of Professional Engineers.
- Active professional member of NSBE Houston Professional – Region 5.
- Saudi Ministry of Education Qualification of Bachelor's Degree.
- Professional Accreditation in Saudi Council of Engineers (SCE Membership).
- Passed the Functional Employment Test provided by Saudi Qiyas.
- Passed an Exam on Operational Risk Management by SCE.
- Honor certificate for attending Saudi Building Code Form SBCF.
- Successfully Completed 30 hours in Saudi Residential Building Code (SBC 1101-1102).
- Successfully Completed 15 hours of Introduction to Project Management (Intro to PMP).
- Successfully Completed 15 hours of Agile Project Management.
- Successfully Completed 15 hours of Data Analysis Using Power BI.
- Successfully Completed 15 hours of BIM introduction course.
- Successfully Completed 12 hours in Saudi Existing Code (SBC 901).
- Successfully Completed 9 hours of Operational Risk Management.
- Successfully Completed 9 hours of Building Maintenance and Operation.
- Successfully Completed 9 hours of Contract and Tendering Management.
- Successfully Completed 9 hours of Construction Contracts and their Basics.
- IoT Seminar on applications of digital transformation and internet things in Facility Management.
- Attended a seminar on Flow Measurement Technologies in Process Industry.
- Attended a seminar on LV Transfer Switches & Enclosed (Safety) Switches.
- Attended Saudi Infrastructure Summit for delivering 2030 Vision infrastructure.

## References

- Dr. Yachi Wanyan Ph.D., P.E. | +1(713) 313-7112 | yachi.Wanyan@tsu.edu | TSU Engineering professor
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