

Waleed Mushtaq

Site Engineer



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PROFILE

Experienced and results-driven Site Engineer with over 10 years of hands-on experience in civil infrastructure and building construction across UAE and Pakistan. Skilled in site supervision, structural execution, layout marking, material inspections, and quality control in line with engineering standards and safety protocols. Proven ability to coordinate effectively with consultants, subcontractors, and field teams to ensure smooth project execution, timely delivery, and compliance with project specifications. Adaptable and collaborative, with a solid track record of delivering high-quality outcomes in both public and private sector projects.

EDUCATION

MS Geology

University of Azad Jammu & Kashmir, Muzaffarabad, Pakistan
Jan 2017

- Engineering Geology
- CGPA: 3.58 / 4.00

BS Geology

University of Azad Jammu & Kashmir, Muzaffarabad, Pakistan
Jan 2011

- Geo-Physics
- CGPA: 3.26 / 4.00

LANGUAGES

Urdu

English

EMPLOYMENT HISTORY

Site Engineer

Malik Rehan Construction Company (Government Contractor)

Feb 2022 - May 2025 | Punjab, Pakistan

- Executed material inspections and collaborated with consultants for compliance assurance.
- Oversaw quality assurance, subcontractor coordination, and construction safety practices.
- Handled multiple construction sites across Lahore and Multan ensuring timely execution.

Site Engineer

FM Technical & Cleaning Services L.L.C

Jun 2021 - Nov 2021 | Dubai, UAE

- Prepared material quantity take-offs and inspection checklists.
- Supervised on-site erection of precast concrete elements installation
- Coordinates with crane operator and erection teams to ensure proper lifting sequence.
- Ensure alignment, grouting and joint sealing were done as per QC standards.
- Work closely with production and transport teams to ensure timely delivery and lifting safely.
- Coordinated with subcontractors and consultants to resolve site issues.
- Assisted in structural drawings, layout marking, and concrete work inspection.

Site Engineer

Shapoorji Pallonji

Feb 2019 - May 2021 | Saadiyat Island Abu Dhabi, UAE

- Supervised excavation, form-work, steel fixing and raft slabs on high risk and commercial projects.
- Manage concrete casting for raft foundation columns, slabs and beams ensuring quality and strength.
- Coordinated with consultant and structural engineer for inspection and approval before concrete pours.
- Monitored quality control of concrete grade, curing methods, and reinforcements detailing.
- Supervised daily labour and subcontractor work, ensuring adherence to safety and technical standards.
- Coordinated daily progress with project managers, consultants, and subcontractors.
- Ensured compliance with U.A.E construction standards and safety protocols.
- Supervised site activities including structural, finishing, and MEP coordination.

Material Engineer

G3 Engineering Consultants

Nov 2017 - Dec 2018 | Lahore, Pakistan

Project: Up gradation of D.H.Q to Teaching Hospital, Gujranwala

- Conducted comprehensive material quality testing (soil, concrete, asphalt) on-site and in the lab.
- Ensured compliance with construction specifications and standards.
- Coordinated with contractors, site supervisors, and quality inspectors to maintain timely project progress.

Material Engineer

ESC (Engineering Services Consultant)

Jan 2017 - Oct 2017 | Lahore, Pakistan

- Supervised material sampling and testing across multiple sites.
- Evaluated asphalt layers, compaction, and stability in accordance with highway standards.
- Prepared site reports for quality assurance and government submission

Material Engineer

ESS-I-AAR Consultant

Dec 2014 - Dec 2016 | South Punjab, Pakistan

Projects: KPRRP & ADP Schemes (Kot Chutta Bypass, DG Kanal)

- Led construction material assessments and bridge piling testing procedures.
- Oversaw asphalt mix designs and implemented improvements for longevity and safety.
- Conducted Geo-technical mapping and prepared failure mechanism analysis for landslide-prone areas

THESIS RESEARCH WORK

Geotechnical Mapping of Chikar Landslide:

- Supported land-use planning with geological and geotechnical data analysis

Analysis of Jhika Gali & Kohala Landslides:

- Investigated failure mechanisms and proposed remedial solutions

INTERSHIPS

Trainee Engineer

Government of Punjab Highway Department (Road Research Lab)

Aug 2014 - Oct 2014 | Lahore, Pakistan

- Performed essential lab tests including: Specific Gravity, Marshall Stability, Asphalt Extraction, Abrasion, Bitumen Penetration.

Trainee Engineer

Geo Project Consultant (Road Testing & Research Lab)

Mar 2014 - May 2014 | Islamabad, Pakistan

- Conducted Standard Penetration Tests (SPT).
- Performed liquid/plastic limits, grain size analysis, and direct shear tests.

Skills & Competencies

CORE COMPETENCIES

Core Competencies

Materials Testing & Evaluation

- Site Supervision & Quality Control
- Road & Bridge Construction Projects
- Geo-technical & Geological Analysis
- Soil and Asphalt Testing (SPT, Core-Cutter Test, Sand-Cone Test, Marshall Stability, Bitumen Analysis)
- Laboratory & Field Investigations
- Technical Reporting & Documentation
- Team Leadership & Collaboration
- Project Coordination & Safety Compliance
- GIS Tools & MS Office Suite

TECHNICAL SKILLS

- GIS Software (ArcGIS)
- MS Office (Word, Excel, PowerPoint, Access)
- Internet & Software Utilities
- Basic Auto-CAD (if applicable)