Syed Zain Abbas Rizvi

BIM Specialist | Digital Twin | Project Manager | Civil Engineer
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Linkedin | **Portfolio**

ABOUT MYSELF

As a gold medalist civil engineer & PMI-accredited Project Manager, I bring 4+ years of industry experience, exceptional multitasking, and a strong work ethic to every project. With keen attention to detail, I strive to deliver high-quality results that exceed expectations. I am a valuable team player with excellent communication skills, and I am dedicated to ongoing learning and professional growth in my career.

SKILLS & TOOLS

BIM, Revit, Navisworks, Speckle, Twinmotion, Lumion, Project Management, Construction Management, Clash Detection, QA/QC, Scheduling, CAD Drafting, BIM Execution Plan (BEP), Common Data Environment (CDE), Digital Twin, ISO 19650

WORK EXPERIENCE

BIM Specialist ⟵ Civil Engineer Specialist (Project manager) [July 2024 – Present]
Disperse   *www.disperse.io*

Email: *zainrizvi@disperse.io* | **Department:** Solution Delivery

Working with the top clients and contractors across the UK, US and GCC, contributing to lean and smooth construction.

- Manage and validate complex BIM models (Arch, Str, MEP) for integration into Disperse's Digital Twin platform, maintaining 98% data accuracy for real-time progress monitoring.
- Leverage Speckle to streamline the exchange of 3D data and metadata between Revit, Navisworks, and Disperse's digital platform, ensuring high-speed data ingestion and model synchronization.
- Utilize Navisworks and Primavera P6 to develop 4D simulations, identifying potential clashes that saved an estimated 15% in projected downtime.
- Ensure all project deliverables align with the BIM Execution Plan (BEP).
- Oversaw project documentation and administration, ensuring compliance with industry standards.
- Lead QA/QC processes to ensure 100% compliance with ISO 19650 standards and project-specific BIM Execution Plans (BEP).
- Acted as primary liaison with internal teams, consultants, and stakeholders to ensure clear communication and deliveries.
- Collaborated with cross-disciplinary teams (engineering, design, and product) to support delivery and scope alignment.

Revit Modeler *(Part time)* [Mar 2023 – Present]

ARCO/MURRAY Design Build   *www.arcomurray.com*

- Modeled a library of 100+ smart Revit families with nested parameters and visibility controls, reducing design time by 25% and ensuring manufacturer-specific data accuracy across all project phases.
- Primary point of contact for resolving complex family issues, performing audits and repairs to fix broken constraints, parameters, and geometry errors
- Modeled site plans for 30+ large-scale projects at the maximum Level of Development (LOD) to accurately visualize on-site environments.
- Created models that served as the primary foundation for project renderings and walkthroughs, aiding in the design approval process for US-based industrial and commercial developments.
- Managed 3D model updates and revisions for diverse project portfolios, ensuring 100% alignment between multidisciplinary design teams and manufacturer specifications.

Project Manager - Operations ⟵ BIM Engineer [Sept 2022 – June 2024]
Radisson Blu - Islamabad

City: Islamabad | **Country:** Pakistan | **Department:** Engineering & Construction

Project: Radisson Blu Hotel & Residences, Islamabad.

- Pioneered the full-scale implementation of BIM and Virtual Reality (VR) on the project, enhancing stakeholder visualization
- Supervised all architectural and structural design changes, ensuring strict adherence to Radisson's global design standards.
- Managed project timelines using Primavera P6, achieving a 10% reduction in resource waste through optimized scheduling.
- Developed comprehensive risk management strategies that proactively addressed site issues, resulting in zero major safety incidents and high site compliance.
- Led a multidisciplinary team, delegated tasks, and ensured clear accountability.
- Managed project budgets, identified cost-saving opportunities, and mitigated overruns.
- Identified risks, developed mitigation strategies, and proactively addressed issues.
- Ensure compliance with Radisson's design standards and guidelines.
- Fulfill project approval phase requirements PAPs.
- Acted as the primary technical liaison between architectural consultants, hospitality specialists, the internal engineering team, and the Radisson Blu South Asia Pacific team to ensure 100% design alignment with global brand standards.

Research Assistant   [Oct 2021 – Aug 2022]

National University of Technology

Email: syedzainabbasrizvif18@nutech.edu.pk | **Department:** Civil Engineering

Project: Clash Detection of CPO Block (B+G+9 story) Using BIM.

- 3D Modeling (Arch, Str, MEP).
- Used BIM software to detect clashes between structural, mechanical, and architectural components.
- Scheduling of the whole project on Primavera P6 before and after clash detection.
- 4D/5D simulation using Navisworks.
- Conducting detailed analysis of project schedules and costs using BIM data to identify potential savings, delays, and improve the project timelines.
- Renderings and walkthroughs of the building design to visualize the project for stakeholders.
- Coordination with architects, engineers, and contractors to analyze and resolve clashes in the design phase.

INTERNSHIPS

Civil Engineer Intern	*National Logistics Cell (NLC)*	**Site:** 7th Avenue, Islamabad.
Civil Engineer Intern	*Habib Rafiq pvt ltd*	*Project: Capital Smart City, Islamabad.*
Civil Engineer Intern	*Develoscape Architects & Consultants*	*Project: Gevora International Hotel And Mall inIslamabad.*

EDUCATION

MS in Environmental Engineering & Resource Management *BTU Cottbus, Germany* www.b-tu.de

MS in Project Management   *Szabist, Islamabad.* www.szabist-isb.edu.pk

BS in Civil Engineering 🏅*National University of Technology, Islamabad.* https://nutech.edu.pk/

CERTIFICATIONS

Primavera P6 Professional Project Management by **Oracle**

Complete BIM Course with Revit, Dynamo and Navisworks, **Udemy**

Certified Project Manager by **Procore**

Project Management: Beyond planning and control by **University Politecnico di Milano**

Foundations of Project Management by **Google**

English for Career development by **University of Pennsylvania**

SKILLS

Technical Skills

BIM, Project Management, Construction Management, Cost Estimation, Clash Detection, QA/QC, Scheduling, CAD Drafting, Risk Management, BIM Execution Plan (BEP), Common Data Environment (CDE), Digital Twin, COBie, ISO 19650, Clash Detection

Soft Skills

Assertiveness & Self-Control, Teamwork, Multitasking, Crisis Management, Decision making, Problem-solving, Workforce Management, Stakeholder Management , Effective Communication, Critical thinking

LANGUAGES

- English - Professional LEVEL
- German - Begineer LEVEL
- Urdu/Hindi- Native LEVEL

PROJECTS

- **Wynn Al Marjan, Resort,** BIM Model integration with Disperse product Impulse, *client: ALEC* 🇦🇪
- **1 Broadgate**, weekly progress tracking & reporting, *client: SRM* 🇬🇧
- **Bridge Industrial Chicago,** exterior facade model, *client: Arco Murray* 🇺🇸
- **Imperial College London,** BIM model comparison, *client: MACE* 🇬🇧
- **Radisson Blu hotel and residences, Islamabad***, client: J7 Group* 🇵🇰
- **Emberton Hotel & School**, weekly progress tracking & reporting, *client: Olympia* 🇬🇧
- **OAK Street INTL Head Office,** architectural site implementation 🇵🇰
- **Indonesian Embassy in Islamabad,** design renovation project 🇵🇰
- **Warehouses Remodeling & Renovation,** *client: Arco Murray* 🇺🇸
- **Netgear San Jose**, Revit Architecture Model, *client: Arco Murray* 🇺🇸
- **4000 South Maryland, Las Vegas,** Revit modeling, *client: Arco Murray* 🇺🇸
- **Water Park Hotel, Qiddiya,** *Model Integration client: Qiddiya* 🇸🇦
- **AL Alrous Residential Project, Jeddah,** BIM Project Tracking, *client: Roshn* 🇸🇦
- **Manchester City Hotel, Manchester**, BIM Model integration with Impulse, client: *Sisk* 🇬🇧