

Sofia Rodriguez

Civil Engineer | Structural Design & Construction Management Expert

Experienced Civil Engineer with over 10 years of expertise in structural design, construction management, and project planning. Highly skilled in AutoCAD, project coordination, and site supervision. Proven ability to deliver projects on time and within budget while maintaining the highest standards of quality and safety.

Core Competencies

- Structural Design & Analysis
- Construction Management
- Project Planning & Coordination
- Site Supervision & Quality Control:
- Cost Estimation & Budgeting:

Professional Experience

Civil Engineer

PQR Corporation | 2014–Present

- Lead the design and analysis of structural components for various infrastructure projects, including bridges, buildings, and transportation systems.
- Collaborated closely with architects and contractors to ensure project specifications were met, optimizing structural integrity and cost-efficiency.
- Managed the construction phase of multiple projects, overseeing site operations, scheduling, and ensuring adherence to safety regulations.
- Prepared detailed project reports, including progress updates, budget status, and risk assessments, for both clients and stakeholders.
- Provided guidance and mentorship to junior engineers and construction staff, improving team efficiency and project outcomes.
- Ensured compliance with local, state, and federal building codes and regulations, resulting in zero project delays due to compliance issues.

Site Engineer

STU Construction | 2012–2014

- Supervised on-site construction activities, ensuring quality control and adherence to project specifications.
- Conducted daily inspections of construction sites, identifying issues and implementing corrective actions to prevent delays.

- Assisted in the preparation of cost estimates, procurement plans, and material requirements, ensuring all project needs were met on time and within budget.
- Coordinated with subcontractors, vendors, and clients to ensure seamless communication and resolve any project-related issues.
- Conducted structural analysis and provided input into the design of temporary structures used during construction (e.g., scaffolding, formwork).
- Ensured strict adherence to safety standards, reducing workplace accidents by 15% over a 2-year period.

Education

Bachelor of Science in Civil Engineering

MNO University | 2010–2014

- Relevant coursework: Structural Analysis, Materials Science, Construction Management, Geotechnical Engineering
- Senior Project: Designed a sustainable residential building with eco-friendly structural materials, earning top marks for innovation and feasibility.

Certifications

- **Professional Engineer (PE) License** – Licensed in [State/Region], [Year of Issuance]
- **OSHA Certification** – Occupational Safety and Health Administration, [Year of Issuance]
- **Autodesk AutoCAD Certified Professional** – Proficient in AutoCAD for creating detailed engineering drawings and 3D modeling.

Languages

- **English (Fluent)**
- **Spanish (Fluent)**