[First Last Name]

[City, State] | [email@example.com] | [Phone Number] | [LinkedIn URL] | [Portfolio/Website]

PROFESSIONAL SUMMARY

Licensed [Structural Engineer] with [X]+ years of experience in analysis, design, and detailing of building and infrastructure projects across [commercial/residential/industrial] sectors. Proven track record delivering safe, economical, and code-compliant structural solutions using [ETABS], [SAP2000], and [Revit]. Skilled in coordinating with multidisciplinary teams, ensuring constructability, and managing design changes throughout the project lifecycle. Adept at applying [ACI/ASCE/AISC/Eurocode] standards and performing seismic, wind, and foundation design checks.

PROFESSIONAL EXPERIENCE

[Senior Structural Engineer] | [ABC Engineering Consultants]

[MM/YYYY] – Present | [City, State]

- Led structural analysis and design for [mid-rise reinforced concrete and steel buildings] using [ETABS, SAFE, and RAM Structural System], achieving an average [X%] reduction in material quantities while maintaining code-compliant safety factors.
- Developed coordinated structural models and drawings in [Revit and AutoCAD], resolving [X+] critical clashes with architectural and MEP disciplines and reducing RFIs during construction by [Y%].
- Prepared and reviewed design calculations, specifications, and construction submittals in accordance with [ACI 318, AISC 360, ASCE 7], ensuring timely approval from [local authorities/peer reviewers] and supporting successful project delivery for projects up to [$X million] in value.

[Structural Engineer] | [XYZ Design & Build]

[MM/YYYY] – [MM/YYYY] | [City, State]

- Performed gravity, lateral, and foundation design for [residential and light commercial structures] using [SAP2000, STAAD.Pro, and hand calculations], ensuring compliance with [local building codes and seismic design requirements].
- Produced detailed structural drawings, schedules, and connection details in [AutoCAD] and [Revit], improving drawing consistency and reducing field change orders by [X%] through clear constructible details.
- Collaborated with contractors and site engineers to address design queries, evaluate proposed changes, and issue revised drawings, helping maintain construction schedules and minimizing structural rework on site.

EDUCATION

[Master of Science in Structural Engineering] | [University Name]

[MM/YYYY] – [MM/YYYY] | [City, State]

- Key coursework: [Advanced Reinforced Concrete Design, Steel Structures, Earthquake Engineering, Finite Element Analysis, Foundation Engineering].
- Thesis: "[Title of Thesis Related to Structural/Seismic/Performance-Based Design]" utilizing [ETABS/ABAQUS] for nonlinear structural analysis.

[Bachelor of Science in Civil Engineering] | [University Name]

[MM/YYYY] – [MM/YYYY] | [City, State]

- Capstone project: [Design of a multi-story building/bridge/industrial facility], including full structural analysis, design, and drafting.
- Relevant activities: [ASCE Student Chapter, Structural Engineering Club, Design Competitions].

SKILLS

Structural Analysis & Design: [ETABS], [SAP2000], [SAFE], [STAAD.Pro], [RAM Structural System], [RISA-3D], hand calculations.

Codes & Standards: [ACI 318], [AISC 360], [ASCE 7], [IBC], [Eurocode EN 1990–1998], [Local Building Codes].

Materials & Systems: Reinforced concrete, structural steel, masonry, timber, shallow and deep foundations, lateral-force-resisting systems, seismic and wind design.

Drafting & BIM: [AutoCAD], [Revit Structure], [Navisworks], [Bluebeam], 2D/3D detailing, clash detection, coordination models.

Technical Documentation: Design reports, calculation packages, specifications, shop drawing review, RFIs and submittals.

Project & Coordination: Multidisciplinary coordination, construction support, schedule awareness, design change management, client/contractor communication.

Soft Skills: Analytical thinking, problem solving, attention to detail, clear written and verbal communication, teamwork, ability to manage multiple projects and deadlines.

SELECTED PROJECTS

[Mixed-Use Mid-Rise Building, 12 Stories] | [Location]

[MM/YYYY] – [MM/YYYY]

- Performed full structural analysis and design of reinforced concrete gravity and lateral systems using [ETABS] and [SAFE], including slab, beam, column, shear wall, and mat foundation design under seismic and wind loads.
- Coordinated BIM model in [Revit Structure] with architectural and MEP teams, optimizing column grid layout and core wall configuration to improve structural efficiency and usable floor area.

[Steel Industrial Facility & Pipe Rack System] | [Location]

[MM/YYYY] – [MM/YYYY]

- Designed structural steel frames, bracing systems, and foundations for an industrial facility and associated pipe racks using [SAP2000/STAAD.Pro], considering equipment loads, vibration, and thermal expansion.
- Developed detailed connection sketches and coordinated with fabricator to ensure economical, shop-friendly connection details compliant with [AISC] requirements.