
LEAD ENGINEER**Civil/Structural Engineering • Project Coordination • Engineering Consulting • DEI • Sustainability**

Dedicated, innovative, and outgoing Senior Engineer with excellent communication skills, and strong attention to detail, who delivers results in fast-paced settings for a variety of projects and client needs. Combines formal project management, coordination, and development strategy with strong people skills to drive company business goals and client satisfaction. Creative problem-solver and critical thinker with strong leadership, teamwork, and analytical skills.

Areas of Expertise

- Bilingual – Spanish and English
- Project Management and Coordination
- Client Services and Construction Support
- Competitive Athlete and Outdoor Enthusiast
- Expert Relationship and Culture Builder
- Leadership and Organizational Skills

TECHNICAL SKILLS

Codes: IBC, ASCE 7, AISC 360, ACI 318, AISC Steel Construction Manual, NESC, RUS Substation Design Guide, PIP

Applications: RISA, RAM, ENERCALC, Revit, AutoCAD, Civil 3D, LPILE, Hilti PROFIS Anchor, Bluebeam, Adobe, Excel, Word

PROFESSIONAL EXPERIENCE**Sr. Design Engineer | Power Delivery & Generation – Substation Engineering**

2020 – Present

ESC Engineering, an ENTRUST Solutions Group Brand – Fort Collins, CO

From large utility customers to small municipalities and developers, provides engineering support, consulting, and planning services in power delivery.

- Delivers relevant civil and structural cost-effective engineering solutions, from concept to commissioning, for high- and low-voltage outdoor electrical substation facilities.
- Creates, reviews, and coordinates all civil and structural design documents including site grading plans, equipment steel structures, foundation designs, proposals and contracts.
- Interfaces and works with other engineers, designers, project managers, construction managers, surveyors, geotechnical engineers, and equipment suppliers to meet or exceed client needs.

Structural Project Engineer | Design Engineer

2019 – 2019

BKBM – Denver, CO

Led and assisted with the design, management, and coordination of complex projects from concept to construction in a fast-paced, multi-discipline, collaborative environment.

- Successfully coordinated project needs and challenges to deliver technological advanced, collaborative solutions that are value-driven and fit within project budget and schedule.
- Calculated, tested, and validated structural design solutions for projects including schools, medical office buildings, multi-story residential buildings using multiple materials including steel, concrete, and wood to achieve an efficient and reliable product.
- Utilized industry-leading design programs, advanced project management tools, work planning, and a management structure to ensure enduring and positive project outcomes and continued business growth.
- Acted as a trusted advisor and responsible partner to each member of the project team to fulfill client goals and objectives, while ensuring a commitment to building long-standing working relationships.

Structural Project Engineer | Project Lead

2017 – 2018

KAHUNA – Westminster, CO

Successfully managed and coordinated oil and gas midstream energy industry projects across the U.S. meeting budget, schedule, and client expectations collaborating to company-wide growth and success.

- Led and supported project execution teams in delivering the highest quality structural engineering products and services, achieving an increase in project volume and turnaround times, and enhancing client satisfaction.
- Performed engineering analysis and design of several structural components including foundations, steel multi-level structures, modular equipment supports, modifications to existing structures, and miscellaneous needs, while utilizing the latest design software to reduce product production times and increase efficiency.
- Utilized open and effective communication to facilitate teamwork and improve workflow between project team members, clients, and contractors.

Project Engineer

2015 – 2016

SAN ENGINEERING – Littleton, CO

Installed to handle and assist with an array of local projects for small business firm providing civil and structural engineering solutions in the commercial, municipal, and transportation industries from initial client contact to project concept and construction.

- Effectively provided support and coordination of small to large budget projects by working directly with team members and clients, to deliver project documents, modeling, construction drawings, design calculations, and specifications for pedestrian and drainage structures, retaining walls, primary and secondary steel structures, and building foundations.
- Used consultative approach to create unique and focused engineering products, innovate within defined scopes, and offer creative solutions that drive client satisfaction and provide value to all parties.
- Oversaw project planning, approval, and on-site inspections, while ensuring work compliance, safety, and quality by adhering to standards and specifications.

Civil/Structural Engineer

2013 – 2015

ENGLOBAL – Broomfield, CO

Delivered engineering solutions for local and statewide industrial energy projects aimed at protecting and improving community infrastructure and development.

- Increased performance by successfully managing multi-disciplinary project teams, including subcontractors and vendors, through each project life cycle phase.
- Created and implemented engineering best practices and processes that improved production of detailed drawings and designs, which reduced project labor costs and delivery time.
- Led and contributed to department and project team success by regularly solving problems and challenges through critical thinking, mining of data, QA/QC, and attentive communication.

EDUCATION & CERTIFICATIONS

Bachelor of Science, Civil Engineering (Honors). *University of Wyoming – Laramie, WY.*
Engineer-In-Training. *NCEES: National Council of Examiners for Engineering and Surveying.*

ADDITIONAL SKILLS

Work-Related: Geotechnical Engineering, Inspections, Site Grading, Cost Estimating, Proposal & Permitting Support
Other: Sustainability, Customer Service, Sales, Presentation Skills, Social Media, Networking, Multicultural Competency

AFFILIATIONS & ORGANIZATIONS

Associate Member, YMG President. American Society of Civil Engineers (ASCE), Colorado Section, Northern Colorado Branch.
Affiliate Member, Sustainability Design Committee. Structural Engineers Association of Colorado (SEAC).
Professional Member. Association of Latino Professionals For America (ALPFA), Denver Chapter.
Associate Member. Society of Hispanic Professional Engineers (SHPE).