






Nikolai Bradley

Senior Structural Engineer

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STRENGTHS

-  **Leadership and Mentoring**
Cultivated talent within engineering teams, empowering peers at various levels and boosting team cohesion.
-  **Code Compliance Expertise**
Utilized extensive knowledge of structural regulations to drive code adherence across numerous projects successfully.
-  **Communication Skills**
Established robust channels between diverse teams, fostering harmonious relationships and seamless workflows.
-  **Creative Problem Solving**
Employed inventive thinking in tackling intricate design challenges, often inspiring solution-led discussions.
-  **Project Coordination**
Navigated multi-disciplinary landscapes to align project goals, achieving elevated efficiency and reduced miscommunication.

SKILLS

- Structural Analysis
- Design Software Proficiency
- BIM Coordination
- Project Management
- Team Leadership
- Code Compliance
- Quality Assurance Mentoring
- Technical Documentation
- Field Support Risk Identification
- Peer Reviews
- Construction Guidance

SUMMARY

Results-driven Senior Structural Engineer with over 7 years' expertise delivering innovative structural solutions for complex building projects. Proven leadership in guiding technical teams, mentoring junior engineers, and ensuring compliance with U.S. structural codes and standards. Comprehensive experience managing multidisciplinary coordination across various project stages while providing focused construction-phase support through targeted field visits and adept handling of RFIs. Passion for innovative problem-solving leads to practical, constructible solutions meeting quality benchmarks. Committed to fostering a team-first environment where collaboration, communication, and continuous improvement thrive, enhancing overall project outcomes and professional growth.

EXPERIENCE



Senior Structural Engineer

Innovative Engineering Solutions  May 2019 - Present  Chicago, IL

Senior Structural Engineer overseeing design efforts for large institutional projects. Responsible for maintaining compliance, coordinating multidisciplinary teams, and ensuring high-quality design deliverables throughout the lifecycle.

- Led comprehensive design packages tailored for varying materials including steel and concrete, meeting dynamic project demands.
- Coordinated crucial communications between architects, contractors, and engineers, resulting in streamlined project delivery.
- Conducted thorough reviews of design calculations and documentation to uphold premium quality and adherence to structural codes.
- Provided insightful support during field visits while addressing technical queries promptly to facilitate ongoing construction activities.
- Mentored several junior engineers, enriching their skill sets through direct involvement in design discussions and review processes.
- Initiated continuous improvement strategies that amplified design quality and stakeholder satisfaction in client engagements.



Structural Engineer

Next Level Engineering  June 2015 - April 2019  Chicago, IL

Focused on structural analysis and design for public sector infrastructure projects, forging productive collaborations with architectural teams for unified execution.

- Executed innovative structural designs aligned with safety standards and client expectations, earning recognition for excellence in project delivery.
- Developed essential technical documents including clear design narratives that ensured clarity and accuracy in communications.
- Facilitated site observations, identifying potential issues early to mitigate risks and enhance overall construction quality.
- Actively engaged in peer reviews and quality assessments, contributing to ongoing dialogue about industry best practices.
- Championed professional development by participating in workshops and pursuing licensure, modeling a commitment to lifelong learning within the team.

Junior Structural Engineer

Structural Design Group  July 2014 - May 2015  Chicago, IL

Assisted senior staff in analyzing and designing structural systems, gaining hands-on experience that contributed to foundational engineering skills.

Stakeholder Communication

Regulatory Standards

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Senior Structural Engineer at Innovative Engineering Solutions (7.2 Years)

● Structural Engineer at Next Level Engineering (3.8 Years)

● Junior Structural Engineer at Structural Design Group (10 Months)

- Supported technical documentation preparation, applying academic training to ensure compliance with regulations and codes.
- Collaborated effectively within collaborative teams, promoting successful communication and project advancements.
- Contributed significance to field investigations, assessing construction integrity while liaising with all stakeholders involved.
- Regularly participated in knowledge-sharing sessions, strengthening team competencies on critical structural design issues.
- Tested emerging methodologies and tools in real-world applications, embracing opportunities for innovation from the outset in one's career.

LEADERSHIP & AWARDS

- Awarded Best New Degree Program by Engineering Association, 2022
- Recipient of Professional Engineer License, Illinois, 2015

EDUCATION

Bachelor's Degree in Civil Engineering

University of Illinois 🎓 GPA: 3.5 📅 2014 📍 Champaign, IL

Coursework: Structural Analysis, Materials Science, Construction Management, Environmental Engineering

CERTIFICATIONS

- Professional Engineer (PE) License 📅 2015
- Certificate in Structural Analysis 📅 2020

TECHNICAL SKILLS

- **Structural Analysis Tools:** SAP2000, RISA, ETABS
- **BIM Software:** Revit, Navisworks, TEKLA
- **Project Management Software:** MS Project, Waterfall, Agile
- **Document Control Systems:** Aconex, SharePoint, Bluebeam
- **Construction Phase Tools:** Surveying Equipment, Inspection Software, Safety Equipment
- **Collaboration Platforms:** Slack, Microsoft Teams, Zoom
- **Quality Review Programs:** Six Sigma, ISO Standards, ASCE Guidelines
- **Data Analysis Tools:** Excel, AutoCAD, MATLAB
- **Software Development Standards:** Agile Methodologies, DevOps, SCRUM
- **Design Standards:** AISC, ACI, NDS

PROFESSIONAL AFFILIATIONS

- Member, American Society of Civil Engineers (ASCE)
- Participant, Local Engineering Community Outreach Programs

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST