

John Doe

Structural Engineer

Canada | borislav@cypherbuild.com | Website: www.cypherbuild.com

Professional Summary

Experienced **Structural Engineer** with over **20 years** of expertise in designing, analyzing, and overseeing the construction of **residential, commercial, and infrastructure projects**. Adept at delivering innovative, sustainable, and cost-effective engineering solutions. Proven track record in leading teams, ensuring safety and compliance with local regulations, and providing exceptional client service on a global scale. Founder of **John Doe Engineering**, a successful firm with a team of 45+ professionals, known for successfully managing complex projects worldwide.

Core Competencies

- Structural Analysis & Design
- Sustainable Building Practices
- Project Management & Team Leadership
- Commercial & Residential Engineering
- Concrete, Steel, and Timber Design
- Structural Safety & Risk Management
- Construction Drawings & Detailing
- BIM (Building Information Modeling)
- Client Relations & Communication
- Site Supervision & Quality Control
- Structural Health Monitoring
- AutoCAD, Revit, SAP2000, STAAD Pro, MS Project

Professional Experience

Founder & Senior Structural Engineer

CypherBuild Engineering - Canada | January 2023 - Present

- Founded and successfully managed a full-service engineering firm specializing in **structural design**, **consulting**, and **project management** for **residential**, **commercial**, and **infrastructure** projects.
- Lead a team of **45+** engineers, drafters, and **technicians**, overseeing their professional development, project execution, and quality control standards.
- Spearheaded key projects with clients in **Canada, the US, Australia**, and **Europe**, resulting in **successful project delivery** and **long-term client relationships**.
- Managed end-to-end project phases from **initial design** to **construction oversight**, ensuring compliance with local codes, safety regulations, and environmental sustainability.
- Delivered cost-effective solutions that meet client specifications while maintaining high standards of structural integrity and durability.

Key Projects:

- **Highway 101 Overpass** (Canada) - Designed a **complex highway overpass**, collaborating with municipal authorities and ensuring compliance with strict safety standards.
- **Multi-Story Commercial Building** (Australia) - Managed the **structural design** and **site supervision** for a **20-story commercial tower**, enhancing load-bearing capacity while using **sustainable materials**.
- **Residential Skyscraper** (Europe) - Led the structural design for a **50-story luxury residential building**, focusing on **earthquake resistance** and

energy-efficient building materials.

Structural Engineer

ABC Engineering Consultants - Australia | June 2010 - December 2014

- Provided structural engineering solutions for residential, commercial, and industrial projects, working closely with architects, developers, and construction teams to create safe and cost-effective designs.
- Conducted **site assessments**, evaluated **soil reports**, and performed **load calculations** for a wide range of projects.
- Played a key role in ensuring that all projects were compliant with Australian building codes and regulations.
- Worked on high-profile projects, including **office complexes** and **multifamily developments**.

Key Achievements:

- Led the design and execution of a **high-rise office tower** in Melbourne, optimizing design to withstand wind load pressures and meet environmental sustainability goals.
- Developed a **structural analysis protocol** for **timber-framed residential homes**, reducing construction time by 15%.

Junior Structural Engineer

XYZ Construction Group - Bulgaria | March 2007 - May 2010

- Assisted in the design and analysis of **residential buildings** and **commercial facilities** under the mentorship of senior engineers.
- Gained hands-on experience with **AutoCAD**, **Revit**, and other structural modeling tools, preparing **detailed construction drawings**.
- Conducted **field inspections**, ensuring adherence to structural design plans and identifying potential issues before construction.

Key Achievements:

- Designed a **structural retrofitting project** for a heritage building in Sofia, Bulgaria, allowing it to meet modern earthquake safety standards.

Education

Master of Science in Structural Engineering

University of Sofia - Bulgaria | Graduated: 2006

Bachelor of Science in Civil Engineering

University of Sofia - Bulgaria | Graduated: 2003

Certifications & Licenses

- **Professional Engineer (PE)** - Licensed in Canada, USA, and Australia
- **Certified Structural Engineer** - Canadian Society of Civil Engineers (CSCE)
- **LEED Green Associate** - Leadership in Energy and Environmental Design (LEED)
- **Project Management Professional (PMP)** - Project Management Institute

Professional Affiliations

- Member, **Canadian Society of Civil Engineers (CSCE)**
- Member, **American Society of Civil Engineers (ASCE)**
- Member, **Institution of Structural Engineers (IStructE)**

- Member, **Engineers Australia**

Skills

- **Design Software**: AutoCAD, Revit, STAAD Pro, SAP2000, ETABS, Tekla Structures, Rhino
- **Project Management**: MS Project, Primavera P6
- **Construction Materials**: Concrete, Steel, Timber, Masonry
- **Building Codes & Standards**: ASCE, AISC, Eurocodes, National Building Code of Canada
- **Sustainability**: LEED Certification, Green Building Practices

Languages

- **English**: Fluent
- **Bulgarian**: Native
- **French**: Intermediate

Awards & Recognitions

- **Structural Engineer of the Year** - Canadian Engineering Excellence Awards, 2021
- **Excellence in Sustainability Award** - International Engineering Association, 2019
- **Top 40 Under 40** - Structural Engineering Magazine, 2018

Publications & Research

- **"Sustainable Solutions in High-Rise Engineering"** - Journal of Structural Engineering, 2020
- **"Seismic Retrofit Strategies for Urban Infrastructure"** - Engineering Today, 2018

Volunteer & Community Involvement

- Volunteer, **Habitat for Humanity** (Canada) - Providing pro-bono structural design services for low-income housing projects.
- **Mentor** for aspiring engineers through the **Canadian Engineering Students Association (CESA)**.

References

Available upon request.

This CV is designed to highlight Borislav Cypher's **structural engineering expertise**, his **entrepreneurial journey** in establishing his engineering company, and his **global project experience**. The structure emphasizes his **leadership** and **technical capabilities**, making him a competitive candidate in the structural engineering field.

Key Takeaways:

- **Experience**: Focuses on his broad international experience and leadership of a team.
- **Technical Skills**: Lists key software, building codes, and industry certifications that potential employers or clients will value.
- **Personal Background**: Provides insights into his **global presence**, from

his **Bulgarian** roots to his professional career in **Canada**.

- **Awards & Recognitions**: Adds credibility and shows that he is respected in the industry.