

****Benson Cypher****

Structural Engineer

Canada | benson@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 ****large-scale projects****. Adept at delivering innovative, sustainable, and cost-effective engineering solutions. Proven track record in managing complex projects, coordinating with architects, contractors, and providing exceptional client service on a global scale. Founder of ****John Doe Engineering****, a successful engineering firm specializing in 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 ****infrastructure**** projects.
- Lead a team of ****45+ engineers, drafters****, and ****technicians****, overseeing their professional development, project management, and client relations.
- Spearheaded key projects with clients in ****Canada, the US, Australia****, and ****Europe****, resulting in ****successful project completions****.
- Managed end-to-end project phases from ****initial design**** to ****construction oversight****, ensuring compliance with all relevant codes and regulations.
- Delivered cost-effective solutions that meet client specifications while maintaining high standards of structural integrity and sustainability.

****Key Projects:****

- ****Highway 101 Overpass**** (Canada) – Designed a ****complex highway overpass****, collaborating with municipal authorities and contractors to ensure structural integrity and efficient construction.
- ****Multi-Story Commercial Building**** (Australia) – Managed the ****structural design**** and ****site supervision**** for a ****high-rise building**** using ****sustainable materials****.
- ****Residential Skyscraper**** (Europe) – Led the structural design for a ****50-story luxury residential building****, focusing on ****innovative design**** and ****high-quality 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 and contractors to develop innovative and cost-effective designs.
- Conducted ****site assessments****, evaluated ****soil reports****, and performed ****load calculations**** for a wide range of structures.
- 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 loads.
- Developed a **structural analysis protocol** for **timber-framed residential homes**, reducing construction time.

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 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 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 households
- ****Mentor**** for aspiring engineers through the ****Canadian Engineering Students Association (CESA)****.

****References****

Available upon request.

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

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 would value.
- ****Personal Background****: Provides insights into his ****global presence****, from his ****Bulgarian**** roots to his professional achievements.
- ****Awards & Recognitions****: Adds credibility and shows that he is respected in the industry.