



DUSAN BIOCANIN

Structural Software Developer

Date of Birth: 22 / 06 / 1986

Residence: Belgrade, Serbia

I am a professional with more than 6 years of relevant work experience in software development and structural engineering. For more information about my skills, interests, and project I was involved in please visit my web page: dusanbiocanin.com

dusanbiocanin@hotmail.com

+381 64 414 6144

[linkedin.com/in/dusan-biocanin](https://www.linkedin.com/in/dusan-biocanin)

dusanbioc

dusanbiocanin.com

WORK EXPERIENCE

Software developer

IDEA StatiCa

2017 – Present Brno, Czech Republic

I work as a software developer responsible for the development of structural engineering applications. I am primarily involved in back-end programming and design of plug-in solutions for various engineering problems.

Assignments:

- updates and expands of existing applications
- designing algorithms & data structures
- debugging & unit testing
- calculation output formating
- collaboration in scrum

Structural engineer

MB-Project Bureau

04/2013 – 10/2017 Belgrade, Serbia & Moscow, Russia

I worked as a senior structural engineer primarily responsible for modeling and structural analysis. I have participated in the design of over ten multifunctional complexes and created several software applications for structural design.

Assignments:

- structural & dynamic analysis
- BIM & structural modeling
- design of reinforced concrete structures
- implementation of various design standards
- team-leading and project management

Private tutor

10/2006 – 04/2013 Belgrade, Serbia

I have been providing guidance and mentorship to engineering students for over six years. Tutoring helped me bind acquired knowledge in the specified fields and gave me useful experience in collaborative problem-solving.

Assignments:

- statics & dynamics
- strength of materials & solid mechanics
- algorithms & Matlab programming

PROGRAMMING SKILLS

Software Development

Algorithms, Design patterns, Test Driven Development, Unit testing, Scrum

Technologies & Frameworks

ASP.NET Core, WPF, MVVM, MVC, ThreeJs

Languages

C#.NET, C++, Javascript

Database

Entity Framework Core

Web

HTML5, CSS3, Ajax

Version Control

SVN, Git

ENGINEERING SKILLS

Structural engineering

Structural & Dynamic analysis, Reinforced concrete structures design

3D modeling & Animation

Revit Structure, Lumion3D

Structural & Dynamic analysis

Radimpex Tower, Robot Structural, ANSYS

Drafting

AutoCAD 2D & 3D, Radimpex ArmCAD

EDUCATION

Bachelor's degree in Civil Engineering

Faculty of Civil Engineering

University of Belgrade

MSc degree in Civil Engineering

Faculty of Civil Engineering

University of Belgrade

LANGUAGES

English Full Professional Proficiency

Norsk Limited Professional Proficiency

Russian Limited Professional Proficiency



dusanbiocanin.com