Stefan Stanković

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# Software Engineer

* Upcoming BSSE graduate offering a strong foundation in software engineering principles and common programming practices in the industry.
* Experienced in object-oriented programming, software development using design patterns, launching small and medium sized web apps, designing desktop front-ends and administering database back-ends.
* Adapted to quickly learning and mastering new technologies by breaking them down and correlating them with previous knowledge.
* Vocal and on point when working in a team, being open for discussion of both my own and my teammates work; excelling at working in self-directed settings but very appreciative of outside inputs.

# Education Highlights

### Notable courses completed:

* Algorithms and Data Structures
* Software Design
* Operating Systems
* Information Systems
* Databases and Database Software Tools
* Computer Networks
* Web Design
* Neural Networks
* Real-time Control
* Software Project Management

### Courses currently taken:

* Concurrent and Distributed Programming
* Intelligent Systems
* Computer Security
* Computer Systems Performance
* Microprocessor Systems
* Compiler Construction

### Relevant courses attended:

* Discrete Mathematics
* Numerical Analysis
* Software Testing
* Multiprocessor Systems

# Education & Work

## **(2018-)** Faculty of Electrical engineering *University of Belgrade*

### Currently pursuing bachelor’s degree in Software Engineering (180/240 ECTS credits completed).

## **(2018-)** Programming Tutor *Self-employed*

### Switching to working with undergrads, software industry employees not yet secure in their own skills and fellow programming enthusiasts, I now mostly work on developing (or assisting in development of) web apps and applied mathematics software tools, becoming proficient in reviewing, commenting, documenting and testing source codes of various sizes and complexities.

## **(2015-2018)** Freelance Programmer *Freelancer; UpWork (formerly Elance-oDesk)*

### Taking a 3-year break from academic studies for personal and professional development, I secured the funds for further studies developing small and medium-size desktop applications.

## **(2013-2015)** Faculty of Electrical Engineering *University of Belgrade, Serbia*

### Pursuing bachelor’s degree in Software Engineering (120/240 ECTS credits completed).

## **(2013-2015)** Mathematics/Physics Tutor *Self-employed*

### Working with HS students and fellow undergraduates, I developed my time management and communication skills, working one-on-one or leading a study group, both online and in person.

## **(2009-2013)** High School of Law, Economics and Administration *High School Centre “Ivan Goran Kovačić” Herceg-Novi, Montenegro*

### Graduated in Economics with a paper on “Marketing MIX in Distribution Channels”, which concludes with opinions on efficient use of online services as modern distribution channels.

# Skills & Interests

### Languages and technologies:

* **C** and **C++** using Boost libraries and OpenGL and SDL2 graphics libraries; mastered OOP and modern C++11/C++14.
* **Java** creating RESTful services, using JPA and JDBC APIs and utilizing Swing and JavaFX GUI libraries for GUI design.
* **PHP** versions 5.3 through 7.3, using Symfony, Laravel and CodeIgniter frameworks for creating MVC web apps.
* **C#** using Windows Forms and MS SQL Server for creating desktop apps based on MVVM architectural pattern.
* **JavaScript** and TypeScript with jQuery and AJAX used for lightweight websites; currently mastering Node.js and Angular.
* **Python** and **Matlab** usedfor experimenting with neural networks and creating tools for discrete mathematics.
* **SQL**, **MySQL** and **MS SQL** used for creating and managing databases.
* **Assembly**, **x86 Assembly** used to write a small OS kernel; occasionally for writing microcontroller drivers.
* **Pascal** including extended Pascal for implementing semaphores and monitors.
* **Ada**, **CONIC**, **C-Linda** used for illustrating concurrent and distributed programming concepts.
* **HTML5**, **CSS3** with popular libraries like Bootstrap are used for modern and responsive front-end design.

### Natural languages:

* **Native:** Serbian
* **Fluent:** English
* **Proficient:** Italian

### Hobbies and interests:

* **Fantasy:** reading and writing fantasy prose; playing tabletop and computer RPGs; developing 2D games.
* **Karate:** sparring during weekends, practicing forms during weekdays to relieve stress.
* **German fencing:** a subset of HEMA (Historical European Martial Arts) using late-Medieval and Renaissance techniques.
* **Folk dance:** now going through auditions for a new troupe.
* **Portfolio building:** currently entertaining myself in by revisiting old projects and compiling them in a Git repository.

### Career interests:

* **Back-end:** developing secure and scalable solutions using modern technologies.
* **Embedded:** creating and maintaining self-correcting systems controlled in real time.
* **Business:** developing specialized desktop apps for accounting, banking, management, etc.
* **Science:** developing tools for applied mathematics, data analysis and reporting.
* **DevOps:** learning to streamline software development processes while maintaining quality.
* **DB Management:** creating, maintaining and upgrading database systems.
* **Analyst:** providing best client satisfaction through proper documentation and evaluation of requirements.
* **Software Designer:** definition and communication of project architecture while providing oversight over the process.