

Abdulah Kapić

IT PROGRAMMER



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OBJECTIVE

Experienced Freelance Programmer and Programming Tutor with a Bachelor's in Electrical Engineering, specializing in Automation and Electronics and with 5 years of impactful experience in software development. Proven ability to deliver high-quality instructions in Java, JavaScript, C#, Python, and C++, fostering a deeper understanding of programming languages and concepts to students. Skilled in troubleshooting and optimizing C++, C#, C and Java code for improved performance, as well as developing advanced applications. Proficient in creating algorithms, data structures, and clean, efficient code. Eager to contribute analytical thinking and diverse programming skills to an IT Programmer role, and to continue making a meaningful impact in the field of software development.

EXPERIENCE

Current

Freelance Programmer, *remote*

During my time as a Freelance Programmer where I simultaneously worked with clients and studied at Faculty of Electrical Engineering, I acquired additional sets of skills related to the job. I obtained strong knowledge of object-oriented programming principles and design patterns in C++, as well as libraries and frameworks such as STL and Boost I have more than 5 years of experience optimizing and debugging C++ code for improved performance and proven track record of delivering high-quality, scalable software solutions in C++. I also have experience in developing multithreaded applications using C++ as well as proficiency in writing clean, efficient, and maintainable code. I created algorithms and data structures for optimizing performance in C. and performed code reviews and debugging of C codebase. I additionally utilized C language to integrate hardware components in embedded systems. Regarding the Python programming language, I optimized code performance and efficiency through Python script optimization and debugging and managed databases and implemented data processing tasks using Python scripts. I also provided technical support and troubleshooting for Python applications and systems I acquired strong understanding of object-oriented programming and design patterns in Java. Generally speaking, I acquired high and enviable proficiency, understanding and utilization of object-oriented programming languages such as: C++, C, C#, Java, JavaScript, Python.

March 2020 - Present

Freelance Programming Instructor, Preply

During my time as a Freelance Tutor at Preply from April 2020 to September 2024, I provided personalized and engaging online tutoring sessions to students worldwide. I developed tailored lesson plans to meet each student's individual learning objectives, and I effectively communicated complex concepts in a clear and understandable manner. I also delivered high-quality instruction in subjects including Java, JavaScript, C#, Python, and C++, fostering a deeper understanding of programming languages and concepts. I received consistently positive feedback from students, demonstrating my ability to connect with learners and facilitate their academic growth;

EDUCATION

Bachelor - Electrical Engineer, Department of Automation and Electronics, Faculty of Electrical Engineering, University of Sarajevo

Upon completion of the first cycle of study, the skills and competencies that are relevant to the job listing that I acquired are:

- Knowledge of frequently used programming techniques;
- Understanding of different approaches to solving programming problems (imperative, object-based and object oriented approach);
- Ability to analyze a given problem and assess which approach would be the best for solving it;
- Ability to solve the analyzed problem and its own implementation in one of the programming languages from the family languages whose roots are in the C language (C++, Java, C#, etc.)

For my Graduation assignment, I also used Python programming language to connect CAN server to MQTT to generate messages, for this I used Python 3 compiler and Linux Kernel subsystem for WSL.

SKILLS

C	Java	Python
C++	JavaScript	C#
Problem-solving	Adaptability	Teamwork