Željko Tripić
Software engineer

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DATE OF BIRTH	10.06.2000.

EDUCATION

Sep 2019 – Oct 2023 — **Bachelor degree in Electrical Engineering – Computer Science**
University of Banja Luka, Faculty of Electrical Engineering
Average grade of 9,67 throughout academic studies. Relevant courses that I passed during studies: Basics of Electronics, Data Structures and Algorithms, Programming languages I & II (C, C++, C#, Java), Operating Systems. Computer Architecture, Computer Networks, Cryptography, Data Bases, Web Technologies, Software Testing, Software Development, Network and Distributed Programming, Mobile App Development.

Oct 2023 – Nov 2023 — **Python Programming Course**

Nov 2023 – Dec 2023 — **Pytest Testing Framework Course**

PROFESSIONAL EXPERIENCE

Dec 2023 - — **Test Engineer, RT-RK Banja Luka**

Jul 2023 – Nov 2023 — **Student Intern, RT-RK Banja Luka**
Worked on my Bachelor thesis "Fog Computing – Programming IoT Gateway". Developed app for IoT Gateway Linux-based device that collects, processes and forwards sensor data, received via MQTT protocol, to cloud services. As well, I developed dedicated cloud services for long-term storage and more complex sensor data analysis, and also Web dashboard app for IoT Gateway app manipulation and data visualization.

SKILLS & ABILITIES

- B2 English certificate
- Worked with MQ protocols, Docker, PostgreSQL, Robot testing framework.
- Familiar with Git and Jenkins CI/CD workflow.

PROJECTS

- IoT Gateway App (https://github.com/zeljko00/iot-gateway-app.git)
- IoT Gateway Dashboard (https://github.com/zeljko00/iot-cloud-dashboard.git)
- IoT Data Services (https://github.com/zeljko00/iot-cloud-platform.git)
- Application Level Task Scheduler
- Secure Chat App (https://github.com/zeljko00/SecureChatApp.git & https://github.com/zeljko00/SecureChatApp_Backend.git)

ACCOMPLISHMENTS

Received an award for the second best Bachelor thesis among students in RT-RK company. Two times high school state champion in physics and won fifth place at Electrical Engineering students meeting in 2023 in Ohrid, North Macedonia.