AMER MUJALO
SOFTWARE DEVELOPER

amujalo1@etf.unsa.ba | +38762576917 | Hasim Spahic 27, Ilijas
GitHub | Linkedin | HackerRank

EDUCATION

University of Sarajevo, Faculty of Electrical Engineering   Sarajevo
Computer Science and Informatics Bachelor   July 2021 - July 2025

University of Sarajevo, Faculty of Electrical Engineering   Sarajevo
Computer Science and Informatics Master   September 2025 - Present

EXPERIENCE

BHPost | Intern   Sarajevo, BIH | 2024 July - September
Developed a .NET web application for detecting and displaying network errors, integrating with SolarWinds. Utilized SQL for data storage and automated updates using BAT and PowerShell scripts. Gained experience in database management, process automation, and web development.

HTEC | Full-Stack intern   Sarajevo, BIH | 2025 April - July
During my internship at HTEC, I developed applications using Angular and .NET, and implemented DevOps practices to streamline development processes.

Skyline Communications | System Engineer   Sarajevo | 2025 September - October
I worked for a little over a month at Skyline Communications as a System Engineer on a project involving the development of a frontend application for a multimodal city and parking manager. My work included using C# scripts (GQI) within the companys internal software, Dataminer.

SKILLS

Programming Languages:	C++, C, Java, Julia, C#, GO, Python, Elixir
Libraries/Frameworks:	TypeScript, JavaScript, React, Angular, TensorFlow, Nmap, SignalR
Tools / Platforms:	Git, Visual Studio, VS Code, Qt Creator, Intellij, DataMiner, MbedStudio, Azure DevOps, Bitbucket, Docker, Selenium
Databases:	SQL, MongoDB, Redis

PROJECTS / OPEN-SOURCE

Honeypot Implementation and Analysis *T-Pot (Deutsche Telekom), Hetzner VPS, Nmap, Hydra, SMTP fuzzing tools, log analysis (ELK stack)*
I deployed and published the T-Pot honeypot platform on a Hetzner VPS to collect real-world attack data as my BSc thesis. I performed controlled, ethical tests (scanning and brute-force attempts using tools like Nmap and Hydra and SMTP probing), verified what data the honeypot captures, and analyzed performance and defensive mechanisms to evaluate detection and mitigation effectiveness.

AccessiCommand | Link   *Python, cv2, mediapipe, speech_recognition*
AccessiCommand is an award-winning hackathon project that secured first place. It aims to create an alternative and intuitive way for users to interact with their computers using facial gestures, hand gestures, and voice commands. AccessiCommand provides a flexible framework to map these alternative inputs to standard system actions.

EcoVisionAR | Link   *JavaScript, Tailwind CSS, HTML, React, Mongoose, Node.js*
Developed a GPS-based web application promoting eco-friendly behavior through gamification. The app tracks CO savings from walking, running, and public transport, awarding EXP points and offering quests with rewards. Participated in the BEST Mostar Hackathon 2025, held from February 2123, 2025.

LAN.AttendanceSystem | Link   *Python*
An attendance tracking system based on Raspberry Pi Pico W. Students check in by connecting to the local network created by the device, enabling automatic attendance recording in a fast and efficient manner. Developed as part of the Embedded Systems course in 2024.

OBEM-alphaTeam | Link   *C# .NET WPF*

Developed an Energy Monitoring and Management System using C# .NET Framework 4.8 and WPF as part of the Skyline Talent Program, held from February 24 to February 29, 2025. The application enables building managers, residents, and maintenance teams to monitor and optimize energy consumption, enhancing efficiency, cost transparency, and sustainability.

CERTIFICATIONS

- Angular (Intermediate) - **HackerRank**
- C# - **HackerRank**

HONORS & AWARDS

- Won hackathon at HomeWork HUB 2025