

# Samer Kolasević

Software Engineering Student

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## Education

**Primary Education** 09/2010 – 05/2019

Primary School "Travnik", Travnik

**Secondary Education** 09/2019 – 04/2023

Secondary Technical School "Travnik", Travnik

- Acquired foundational knowledge in programming, networking technologies, and computer hardware.
- **Achievement:** Awarded "**Student of the Generation**" (**Valedictorian**) for outstanding academic excellence and contributions.

**Bachelor's Degree in Software Engineering** 10/2024 – Present

University of Zenica (UNZE), Zenica

- Key areas of focus: Software design patterns, algorithms and data structures, databases, and operating systems.
- Fundamentals of operating systems, covering process management, memory allocation, concurrency, and file systems.

## Work Experience / Projects

**Independent and Team Software** 04/2025 – Present

### Development Projects

Conceived, architected, and developed a diverse portfolio of independent and collaborative software projects, simulating a real-world production environment. Acted as the core developer across the full software lifecycle—from UI/UX wireframing in Figma to low-level optimization and system design. Maintained strict version control (Git/GitHub) and focused on writing clean, reusable, and memory-efficient code while solving complex algorithmic and architectural challenges.

### SeharaCloud (Full-Stack Project – *In Development*)

- **Description:** Collaborating in a team of three to design and build a system designed to transfer various data formats to a mobile application via API calls to a home-server database. Responsible for implementing custom data rendering and media playback depending on the file format.
- **Technologies:** SQL, C++, .NET C#, Kotlin, UI/UX (Figma), Git.

### TiltControl (Multi-purpose Mobile Application)

- **Description:** Developed a mobile application focused on processing real-time accelerometer readings. Implemented an environment for object manipulation, a custom collision detection engine for tilt-controlled games, and a universal hardware controller featuring data filtering and mapping.
- **Technologies:** .NET C#, .NET MAUI, Embedded (C++), Git.

## Personal details

Date of birth

August 27, 2003

Website

samer.kolasevic.com

LinkedIn

linkedin.com/in/samer-kolasevic-119aaa377

GitHub

github.com/SamerKolasevic29

## Languages

Bosnian

English

## Hobbies

■ Street Workout

■ Volunteering

## RBAC-SYS (Admin vs Worker)

- **Description:** Built a terminal-based system following RBAC (Role-Based Access Control) principles, focusing on strict role and permission separation. Features include action logging for critical security events and a custom built-in text editor inspired by Vim/nano. Emphasized modular design and reusability by integrating custom C++ libraries.
- **Technologies:** C++, Linux, Git.

## BORBA (TUI Game v1.3)

- **Description:** A turn-based console game developed in C++ applying MVC architecture and RAI principles. Designed and implemented a custom header-only animation library for terminal displays, utilizing the Standard Template Library (STL).
- **Technologies:** C++, Git.

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## Personal Skills (Soft Skills)

- **Communication and Teamwork:** Experienced in collaborative workflows through team project development (e.g., SeharaCloud) and standard Git/GitHub version control practices.
- **Analytical Thinking:** Strong aptitude for solving complex technical problems through rigorous logic, low-to-mid-level system analysis, and efficient algorithm design.
- **Discipline and Focus:** High level of self-discipline, time management, and resilience, proven both in demanding academic workloads and competitive athletic training.

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## Additional Information

### Sport Shooting (Olympic Discipline - 10m Air Rifle) 04/2019 - 04/2024

Rifle Shooter, Travnik & Sarajevo

- **Achievements:** Champion of the Federation of Bosnia and Herzegovina in the Senior category and current regional record holder and 60+ other individual and team awards.

### Volunteering and Community Engagement

- Regular blood donor and active contributor to local community initiatives.
- Strongly dedicated to continuous personal and professional growth through fitness, discipline, and "building in public" (sharing tech learning journeys openly).