

# Aikhan Aliev

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## Profile

Motivated Computer Science student at Eötvös Loránd University (ELTE) with hands-on experience in software development, backend systems, cloud technologies, and containerized microservices. Skilled in implementing code changes, troubleshooting issues, performing system tests, and improving application performance. Familiar with modern development stacks including .NET, Angular, Azure, Kubernetes, and SQL. Strong interest in large-scale distributed systems, authentication/authorization services, and Agile development environments.

## Skills

- **Programming:** Java, Python, JavaScript, TypeScript, C++, SQL, Bash
- **Backend & Cloud:** REST APIs, microservices, .NET fundamentals, Azure, cloud services, authentication & authorization concepts
- **Frontend:** Angular, HTML, CSS, JavaScript
- **DevOps & Systems:** Docker, Kubernetes, Azure DevOps, CI/CD, Linux/Unix, Windows, debugging, optimization
- **Testing & Quality:** system testing, integration testing, code review, documentation, issue tracking
- **Soft Skills:** teamwork, problem-solving, communication, adaptability, Agile/Scrum
- **Languages:** English (Fluent), Russian (Native), Azerbaijani (Native)

## Education

Eötvös Loránd University (ELTE) – Faculty of Informatics, Budapest  
Bachelor of Science in Computer Science Expected 2026

- GPA: 4.6 / 5.0
- Relevant Coursework: Software Engineering, Web Development, Operating Systems, Cloud Computing, Databases, AI, Algorithms, and Functional Programming

## Experience

**Research Assistant – MLforSE Group, ELTE** Oct 2025 – Present

- Developed backend tools using Python to process large datasets and evaluate system performance.
- Contributed to improving automation workflows and software reliability in research environments.
- Worked in Linux-based systems and collaborated on cross-functional engineering tasks.

**Practice Teacher (Haskell) – ELTE** Sep 2024 – Present

- Taught programming fundamentals, functional design, and debugging methodologies.
- Guided students in understanding software architecture, clean code, and algorithm design.

**Google Developer Groups (GDG) – ELTE** Sep 2025 – Present

- Organized workshops on cloud platforms, backend development, Agile workflows, and modern frameworks.
- Supported peers in adopting microservice patterns, CI/CD pipelines, and containerization practices.

## Projects

### API Monitoring Backend

- Built backend services (FastAPI + SQL) to monitor application behavior and troubleshoot failures.
- Improved system performance through optimized queries and efficient data handling.

### AI Log Analyzer

- Implemented Python tools using Pandas to analyze logs, detect anomalies, and support diagnostics.
- Enhanced reliability by automating analysis workflows and improving error detection.

### iKarRental Web System

- Designed backend logic with SQL data management and REST endpoints.
- Documented system components and improved maintainability through modularization.

## Certifications

- IBM DevOps and Software Engineering Professional Certificate
- AWS Cloud Solutions Architect – in Progress
- Meta Full-Stack Developer Specialization – in Progress