

# Alidin Abylkasym uulu

[GitHub](#) · [LinkedIn](#) · [Portfolio](#)

## Climate Software Engineer

Budapest, Hungary +36 20 397 2418 alidinabylkasymuulu03@gmail.com

### PROFILE

Backend-focused software engineer building internal Python tools for ESG and climate analytics. Strong in Django, data processing (Pandas, NumPy, PySpark), testing (pytest), and delivery in cross-functional teams using Git and Azure DevOps. Comfortable across the stack where needed; interested in clean architecture and reliable systems.

### EXPERIENCE

**Climate Software Engineer** · MSCI Inc. May 2025 — Present · Budapest

- Build and maintain Python-based internal applications and services supporting ESG and climate analytics workflows for institutional clients.
- Work with Django, batch and interactive data processing (Pandas, PySpark), and integration patterns common in large data estates.
- Collaborate with product, data, and operations stakeholders; ship through code review, automated tests, and CI/CD in Azure DevOps.
- Python 3.12 uplift (Poetry lockfiles, compatibility, Spark/JDBC-related pins); sprint **dependency / security** upgrades; PR **diff-cover** on coverage XML in Azure DevOps.

**Python Mentor (Backend)** · Motion Web IT Academy Mar 2025 — Jul 2025 · Bishkek (remote)

- Designed and delivered a Python backend curriculum from fundamentals through web development with Django.
- Mentored aspiring developers on exercises, code structure, and practical project work.

**Climate Software Engineer Intern** · MSCI Inc. Jul 2024 — Feb 2025 · Budapest

- Delivered end-to-end features on internal Operations platforms in the ESG & Climate space using Django.
- Used Pandas and NumPy for data preparation and validation; pytest and Postman for automated and manual API checks.

**Python Developer Intern** · MSCI Inc. Jul 2023 — Jul 2024 · Budapest

- Implemented and extended Python components in internal frameworks used to validate production analytics code.
- Translated technical specifications into reliable modules, scripts, and structured outputs (including XML generation where required).
- Partnered with senior engineers on requirements, code quality, and incremental delivery using Git and Azure DevOps.

**Data Annotator** · Tech Mahindra Aug 2022 — Dec 2022 · Budapest

- Analyzed large text corpora from virtual-assistant interactions; identified patterns and intent clusters to support model improvement.

**Mathematics Tutor** · KalemCo Feb 2021 — May 2021 · Osh

- Prepared high-school students for national exams and mathematics olympiads.

### EDUCATION

#### BSc Computer Science

Eötvös Loránd University (ELTE), Budapest · 2021 — 2025  
Stipendium Hungaricum scholar

Degree work at ELTE also included: compilers, concurrent programming, functional programming, operating systems, web programming.

#### Applied Mathematics & Informatics

Kyrgyz-Turkish Manas University, Bishkek · 2020 — 2021

### PROJECTS

**Time Complexity Analyzer** ([GitHub](#) · [portfolio](#)) — Django, React, SciPy: code profiling and runtime measurement, interactive time-complexity analysis, visualizations, quizzes.

**Bomberman** ([GitHub](#) · [portfolio](#)) — TypeScript, React: multiplayer-style game; TDD, CI/CD, UML from user stories.

**Record Education Center** ([GitHub](#) · [portfolio](#)) — Full public site for an education center (courses, schedule, teachers); admin dashboard, structured content management, and polished UI/UX; trilingual (Kyrgyz / Russian / English); JWT authentication.

**Light Bulb Game, Voting page, Minesweeper** ([Bulb](#) · [Voting](#) · [Minesweeper](#)) — Browser and desktop exercises (HTML/CSS/JS, PHP, Java/Swing, MySQL).

### TECHNICAL SKILLS

Python Django PySpark Pandas NumPy PyArrow pytest FastAPI TypeScript React Git Azure DevOps Linux  
Docker SQL MongoDB Postman GNU Make Agile / Scrum

### LANGUAGES & OTHER

**Languages:** Kyrgyz, Russian, English, Turkish.

**Other:** 500+ algorithm problems on [LeetCode](#) (graphs, DP, backtracking); election tech-support volunteer (2020).