

# Alidin Abylkasym uulu

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

## Climate Software Engineer

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### PROFILE

Python engineer at MSCI on internal climate and ESG analytics: Django, Pandas/PySpark, pytest, Git, Azure DevOps. Also mentors backend Python learners; portfolio and public code via the header links (GitHub, LinkedIn, portfolio).

### EXPERIENCE

#### Climate Software Engineer

May 2025 — Present · Budapest, Hungary

MSCI Inc.

- Internal Django apps and Python services for ESG/climate analytics; Pandas, PySpark; pytest; Azure DevOps (branching, pipelines, PR checks).
- Python 3.12 migration: Poetry lockfiles, compatibility fixes, Spark/JDBC-related pins aligned with platform standards.
- Dependencies / security: recurring sprint Poetry upgrades; CVE-driven bumps (e.g. server-side GraphQL stack).
- PR diff-cover on coverage XML in Azure DevOps: extend/fix tests so changed lines meet the repository diff-coverage policy.

#### Python Mentor (Backend)

Mar 2025 — Jul 2025 · Bishkek, Kyrgyzstan (remote)

Motion Web IT Academy

- Curriculum: Python fundamentals → object-oriented design → Django (models, views, forms, basic auth).
- Code reviews focused on structure, errors, and professional habits.

#### Climate Software Engineer Intern

Jul 2024 — Feb 2025 · Budapest, Hungary

MSCI Inc.

- Django on internal Operations platforms (ESG & Climate); Pandas/NumPy; pytest; Postman.
- Git + Azure DevOps workflow; incremental merges in a shared codebase.

#### Python Developer Intern

Jul 2023 — Jul 2024 · Budapest, Hungary

MSCI Inc.

- Python validation frameworks for production analytics; specs → testable modules; XML outputs for downstream steps.
- Unit tests and golden samples; collaboration on numerical edge cases and logging.
- Git, Azure DevOps work items, and team branching conventions.

#### Data Annotator

Aug 2022 — Dec 2022 · Budapest, Hungary

Tech Mahindra

- Virtual-assistant conversational text: intent tagging, consistency, guidelines for other annotators.

#### Mathematics Tutor

Feb 2021 — May 2021 · Osh, Kyrgyzstan

KalemCo

- Prepared secondary-school students for national mathematics examinations and introductory olympiad-style problem sets, with emphasis on clear written reasoning.

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### EDUCATION

#### BSc Computer Science

Eötvös Loránd University (ELTE), Budapest — 2021 — 2025 · Stipendium Hungaricum scholarship (Tempus Public Foundation, from Aug 2021)

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

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### Time Complexity Analyzer (thesis)

Django · React · SciPy · Python

[GitHub](#) · [Portfolio](#)

- Thesis web app: code profiling and runtime measurement, interactive time-complexity analysis, visualizations, quizzes.
- React front end; Django API boundary for analysis logic.

### Bombberman (team project)

TypeScript · React · CI

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

- Grid game; TDD on movement/collision; CI on push.
- UML / user stories for scope control.

### Record Education Center

JavaScript · JWT · i18n · Admin UI

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

- Public site for a real education center (courses, schedule, teachers); admin dashboard, structured content management, and polished UI/UX; trilingual (Kyrgyz / Russian / English); JWT authentication.

### Additional academic projects

HTML · CSS · JavaScript · PHP · Java · MySQL

[Light Bulb](#) · [Voting page](#) · [Minesweeper](#)

- Bulb puzzle (JS); PHP polls + auth; Swing Minesweeper + MySQL scores.

## CERTIFICATIONS

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- Python for Data Science: Tips, Tricks & Techniques — LinkedIn Learning (Jul 2024)
- Using Large Datasets with pandas — LinkedIn Learning (Jul 2024)
- Apache PySpark by Example — LinkedIn Learning (Mar 2024)
- Microsoft Azure Fundamentals (AZ-900) Cert Prep: Cloud Concepts — LinkedIn Learning (Mar 2024)
- Build Your Financial Literacy — LinkedIn Learning (Oct 2023)
- Git: Branches, Merges, and Remotes — LinkedIn Learning (Oct 2023)
- Python: Decorators — LinkedIn Learning (Oct 2023)
- IoT Fundamentals: Big Data & Analytics — Cisco Networking Academy (Jun 2023)
- Git Essential Training: The Basics — LinkedIn Learning (Mar 2023)

## TECHNICAL SKILLS

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### LANGUAGES

- Python (primary), TypeScript, JavaScript, Java, C++, C, C#, Go, PHP

### FRAMEWORKS & LIBRARIES

- Django, FastAPI, React, PySpark, Pandas, NumPy, PyArrow, SciPy, pytest

### LANGUAGES & INTERESTS

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

**Other** 500+ problems on [LeetCode](#) (graphs, dynamic programming, backtracking, and related patterns).

**Volunteering:** Election-period tech support (2020): voter roster maintenance with Excel and Word under local supervisors.

### RECOMMENDATIONS (LINKEDIN)

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*"What impressed me most was his intellectual honesty... Beyond his technical skills, Alidin willingly takes ownership of tasks and follows through."*

— Ibolya Éva Szadeczky-Kardoss, Manager, MSCI

*"Alidin quickly picked up the necessary financial basics and our coding standards... His hard work, motivation, and good analytical skills have been a great asset to our team."*

— Gábor Almási, Team Lead, MSCI

Full recommendations on LinkedIn.