

Lazar Alexandru

Cluj-Napoca, Romania | github.com/ChopinF | linkedin.com/in/alexandru-lazar-715b4b212/ | lazaralexandru.work

EDUCATION

University Polytechnic of Bucharest

Master's Degree in Distributed Systems

Sep 2026 — May 2028

Bucharest, Romania

- Coursework: Distributed Algorithms, Cloud Computing Architecture, Virtualization Technologies, and Network Security.

Babes - Bolyai University

Bachelor's Degree of Computer Science (third/last year)

Sep 2023 — May 2026

Cluj-Napoca, Romania

WORK EXPERIENCE

Software Engineer

[Generatik](#)

November 2025 — Present

Remote

- Optimized system reliability for a 150k LOC application; solved **bugs and UX enhancements** resulting in a **40% reduction** in **backlog** during the first month.
- Developed robust features across a **Kotlin/Spring** backend and **React/TypeScript** frontend, leveraging **Keycloak** for IAM (Identity & Access Management) and **Material-UI** with **Zustand** for consistent UI/UX and form validation.
- Enhanced application quality by developing **End-to-End (E2E)** functional tests with **Playwright** and implementing automated integration test suites using the **IntelliJ HTTP Client (.http scripts)** to validate **RESTful API** contracts.

Software Engineer

Endava

May 2025 — November 2025

Cluj-Napoca

- Developed internal **AI chatbots** using **Python**, **OpenAI API** and **LangChain**, reducing average employee query resolution time by **20%** by automating knowledge retrieval and document summarization.
- Engineered a scalable **Python** service to ingest data from **Cisco** systems and publish it to the client's visualization platform, reducing **Azure infrastructure** usage from 10+ instances to 2 by building a generalized, optimized **ingestion pipeline**.

Software Engineer

[AkyX Startup](#)

September 2024 — May 2025

Remote

- Migrating “no-code” websites to custom-built websites while achieving more than **90%** cost reduction using **NextJS** / **React**.

Intern Quantitative Developer

Faro Development

July 2024 — September 2024

Cluj-Napoca

- Developed algorithmic trading bots for **Forex** pairs in **C++**, increasing backtested profit factor by **18%** through the implementation of momentum-based entry/exit logic.
- Improved Sharpe ratio from **1.12** to **1.37** by refining entry/exit logic and optimizing **trade timing**.

Freelance

Online

July 2023 — September 2023

- **Digital Marketing (Affiliate)** Increased course sales by 30% in 2 months through optimized campaigns and direct client communication.
- **Contractor** Delivered end-to-end client projects and automated workflows with scripts.

PROJECTS

[Lsp \(github.com/ChopinF/Css-CustomClasses-LSP\)](#)

october 2025

- Developed a custom **Language Server Protocol (LSP)** written in **go** for **NeoVim** - autocompletion, hover and diagnostics support for custom CSS classes within React / Next.js projects.

[DeepCode \(github.com/ChopinF/DeepCode\)](#)

April 2025

- Cross-platform desktop application for visualizing gene interactions and exploring biological networks.
- I worked on Python-based bioinformatics processing (using Bio.KEGG and an NLP model for gene association) with a React, Electron, javascript, Tailwind CSS frontend.

EXTRA

- **Languages:** Romanian(native), English(C1), French(Delf - B2)
- **Programming Languages:** JavaScript/TypeScript, Python, C/C++, HTML/CSS, Java/Kotlin, Bash, SQL, Go