

# Cătălin Pleșu

+373 67 655 472 | catalin@plesu.net | LinkedIn | GitHub | catalin.plesu.net  
Chișinău, Moldova

## Education

- Master's Degree in Information Technology from Technical University of Moldova      Status — Graduated

## Work History

*.NET Backend Engineer at Jivy Group, Chișinău, Moldova* *Nov 2025 - Present*

- Developing backend services in C#, ASP.NET Core, and SQL Server using Git for version control for a multi-tenant AI assistant platform.
- Deployed merged features to the development environment using manual GitHub Actions, ensuring that changes didn't break the application through log verification, Application Insights, and manual tests.
- Implemented document storage and search services using Azure Blob Storage and Azure AI Search to enable Retrieval Augmented Generation (RAG).
- Developed a crawler service that extracts structured business information using an LLM, backed by Crawl4AI deployed as an Azure Container App.
- Built a notification system with platform and email delivery channels to alert users of relevant platform events.
- Explored Testcontainers instance reuse to speed up integration test cycles; reverted due to schema conflicts and idle resource overhead.

*Embedded Software Engineer at AROBS Software, Chișinău, Moldova* *Mar 2023 - Mar 2024*

- Worked within a functional safety team delivering monitoring software for a tri-core automotive microcontroller using Git and Embedded C.
- Estimated, implemented, and delivered Embedded C features and fixes from system specifications.
- Maintained UML models in Enterprise Architect to keep technical documentation in sync with each code change.
- Executed manual Hardware-in-the-Loop (HIL) tests and smoke tests to verify system behaviour before hardware integration milestones.