

Ionut Filea

Technical Project Manager | Technical Team Lead | Applied AI

Brasov, Romania

on request

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SUMMARY

Engineer with a robotics and mechatronics background and ten years across software development, industrial automation, R&D project management and technical training. I work best where technology meets people: coordinating technical teams, turning client requirements into plans people can execute, and helping others grow through mentoring - including training around 20 to 30 trainers and instructors. Hands-on with applied AI: designed and built an LLM-based strategy assistant with agentic workflows, retrieval-augmented memory and tool integrations, and I use AI agents daily to plan, build and verify software. Open to on-site roles in Brasov or remote, employment or B2B contract.

WORK EXPERIENCE

Siemens Advanta, Brasov

Software Developer

Dec 2021 - Oct 2024, Dec 2025 - Present

- Deliver development tasks on Siemens industrial software, mainly SIMATIC PCS neo, alongside SIMATIC Information Server, Process Historian, PCS 7 and WinCC.
- Validate and verify every proposed change before release, protecting the reliability of production-critical systems.
- Work closely with development and testing teams so new features integrate cleanly end to end.
- Technologies: C#, .NET Framework / Core, ASP.NET MVC, Web API, Entity Framework, SQL Server, Git, Agile.

SC ArtByte SRL, Brasov

Project Manager (client engagement)

Mar 2025 - Oct 2025

- Designed and managed projects for national and EU funding programmes, from idea and budget to delivery and reporting.
- Coordinated cross-sector teams and set up partnerships with schools and other stakeholders.
- Kept projects compliant with funding rules and ran workshops on project development and grant writing.

SC Robot Industries SRL, Brasov

R&D Project Manager

Sep 2020 - Dec 2021

- Led a 5-person technical team automating industrial robotic processes for clients.
- Owned solution design and delivery against client-specific requirements, including testing and validation with the company's robot portfolio.
- Built pricing proposals from application specifications and stayed the client's technical point of contact through delivery.

Cartier Hub Learnex (Asociatia Suport Regiunea Centru), Brasov

Technical Manager and Trainer of Trainers

Oct 2019 - Present

- Coordinate a team of 2 trainers, keeping course quality and deadlines on track.
- Trained and mentored around 20 to 30 trainers and instructors across multiple projects.
- Designed and teach courses in robotics and programming (LEGO WeDo, Mindstorms EV3, CoderZ, Arduino) and in 3D modelling and printing.

FlavoTech Prod SRL, Brasov

Founder and B2B Consultant

Feb 2019 - Present

- AI product: led product development and system architecture for an AI strategy advisor on the Claude and GPT APIs that gives co-founder-level input on business planning.

- Built agentic workflows that plan and execute multi-step tasks instead of single-shot prompts.
- Implemented a RAG and vector-database memory layer, so the assistant keeps context across sessions and grounds its answers.
- Connected it to external data and tools through custom MCP servers, so it acts on real systems rather than only chatting.
- Production: automated a chocolate 3D-printing line and ran order fulfilment from production to shipping.
- Trained staff on printer setup, calibration and food-safety protocols.

Autoliv Romania, Brasov

Design Engineer, Product Authority and Project Engineer

Apr 2016 - Feb 2019

- Acted as product authority for automotive safety products: owned product design documentation and handled customer feedback and complaints.
- Supported series production, product testing and new methods for product improvement.
- Ran continuous-improvement work on quality, cost and supplier performance, including production line transfers within safety and cost targets.
- Managed orders, shipping logistics and feasibility studies for customer-specific product variants.

EDUCATION

Transilvania University of Brasov

Master of Science, Mechatronic Systems for Industry and Medicine

2013 - 2016

Transilvania University of Brasov

Bachelor of Engineering, Robotics

2009 - 2013

CERTIFICATIONS

- Project Manager (COR 242101), 240 hours, Brasov Chamber of Commerce and Industry, 2025
- Certified Trainer / Formator (COR 242401), 180 hours, Athena Training Centre, 2022

SKILLS

- Project management: project planning, product development, delivery management, requirements management, budgeting, quotation and pricing, stakeholder management, supplier management, client communication, continuous improvement, Agile, Scrum
- Leadership: technical team coordination, mentoring, train-the-trainer, workshops, technical training
- Soft skills: communication, collaboration and teamwork, leadership, mentoring, problem solving, proactive approach, adaptability, working autonomously
- Applied AI: large language models (LLM), Claude API, OpenAI GPT API, agentic workflows, RAG, vector databases, prompt engineering, MCP servers, AI automation
- Software development: system architecture, software and systems development, C#, .NET Framework, .NET Core, ASP.NET MVC, Web API, Entity Framework, SQL Server, HTML, CSS, JavaScript, OOP, design patterns, Git
- Engineering: industrial automation, industrial robotics, automotive industry, product design, Siemens SIMATIC, WinCC, PCS 7, PCS neo, 3D design, 3D printing, Arduino
- Languages: Romanian (native), English (C2, proficient)