

SKILLS

Programming Languages	Python, C++, C, Bash, VBA, T-SQL
Cloud	AWS, ECS, EC2, RDS, CloudWatch, Lambda, ECR, S3, CostCenter, CloudFormation, Terraform
Frameworks and Tools	SQLAlchemy, Pydantic, FastAPI, MultiThreading, Pytest, Numpy, Matplotlib, RabbitMQ
AI	Alembic, Async, QT, Django, Rest API, Docker, React
Concepts & Paradigms	ANN, CNN, OpenCV, DeepFace, Keras, Tensorflow, LLM, Copilot, Prompt Engineering
	Algorithms, OOP, Data Structures, Functional Programming, Dynamic Programming, Unit Testing, ML Algorithms, Linux, Virtual Machines, Data Analysis, Data Selection and Cross-Validation
Database Knowledge	MySQL, PostgreSQL, Snowflake
Version Control	Git, GitHub, GitLab, Gerrit
Management Tools	Jira, ADO, Miro, Trello, Confluence, Agile methodology, Scrum, Kanban
Soft Skills	Mentoring, Team Player, Independent Worker, Attention to detail, Analytical and logical thinking, Critical thinking, Time management, Adaptability, Communication, Openness to criticism, Creativity
Languages	Romanian (Native), English (B2 Certified)

WORK EXPERIENCE

Senior Software Engineer <i>Intive</i>	05/2024 — Present Romania, Remote
• Owned the architecture, delivery, and long-term maintainability of 7 internal services and 4 customer-facing products	
Middle Python Backend Developer <i>Capgemini Engineering</i>	08/2022 — 05/2024 Romania, Remote
• Conducted research for the usage of over 20 different models of LLMs, then presented the results to management	
VBA Developer Specialist <i>DRÄXLMAIER Group</i>	10/2021 — 08/2022 Romania, Satu-Mare
• Recreated third-party software using VBA to customize and automate workflows	
Master Data Analyst <i>DRÄXLMAIER Group</i>	01/2021 — 10/2021 Romania, Satu-Mare
• Improved the efficiency of tasks by 70% through VBA automation	
• Worked closely with the business inside teams to ensure alignment of master data rules and the operations of the application	

PERSONAL PROJECTS

Military Personnel Detection Github Link	
• Tools used: Python, OpenCV, Tensorflow, Keras, Numpy, Matplotlib, RetinaFace	
• Inspired by the recent events in Ukraine, this ML model detects whether or not a person from a video or an image is military personnel. This can be used as a security measure inside a camera or a drone	
Cat Finder Github Link	
• Tools used: Python, UltralyticsYOLO Model, OpenCV, MultiThreading	
• Having a cat that likes to hide, I've decided to create my product that uses self-made motion sensors and then detects with the help of YOLO's models if the frame has a cat, then keeps count in which room it has been last seen	

EDUCATION

Bachelor of Mathematics and Computer Science, University of Babeş Bolyai

2019 — 2023