

SKILLS

Programming Languages	Python, C++, C, Bash, VBA, T-SQL
Cloud	AWS, ECS, EC2, RDS, CloudWatch, Lambda, ECR, S3, CostCenter, VPC, 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
Database Knowledge	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, DynamoDB
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	
• Led end-to-end service lifecycle, including design, implementation, deployment, monitoring, and iterative improvements	
• Designed and built cloud-native services using Python, Go, Java, Terraform, CloudFormation, Ansible, and Docker	
• Led a major customer-facing service upgrade, defining rollout strategy, mitigating deployment risk, and ensuring stability	
• Reduced security risk by proactively managing dependency upgrades and resolving Dependabot and JFrog X-Ray findings	
• Authored architectural decision, upgraded playbooks, and technical documentation to support scalable, low-risk development	
• Interviewed and evaluated candidates as secondary, contributing to hiring decisions and team quality	
• Communicated delivery status, technical risks, and trade-offs to directors and cross-functional stakeholders	
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	
• Developed an efficient product based on multiple LLMs on two different platforms: Jupiter Notebook & BE Python server	
• Implemented a configuration module for an AI product that allows ease of editing for a non-technical person	
• Offered as a solution, an abstract approach of development for a new microservice of Python Backend	
• Conducted data migrations on two different databases, while taking into account over 100 different states of the data	
• Communicated with the team according to Agile methodology, providing feedback and updates when required	
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	
• Refactored over 2 weeks of work into 3 hours of monthly/everyday tasks	
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