Artem Komarov

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 github: ArtKomarov — 📍 Location: Hamburg, Germany — 🌐 Nationality: Ukrainian

Summary — Machine Learning Engineer with strong software development skills and proficiency in delivering production-grade AI systems. Passionate about combining machine learning, engineering, and infrastructure to create meaningful real-world AI systems.

Skills (2-4 years experience)

Machine Learning	Supervised/unsupervised learning (4y), ranking models, feature engineering	**Primary Languages**	Python (4y), Go (3y), C++
Deep Learning	NLP (4y), LLMs (3y), CV, PyTorch, transformers, fine-tuning, AI agents	**Data stack**	SQL (4y), NumPy, Pandas, scikit-learn, BigQuery, MongoDB
MLOps & Cloud	Docker (4y), Kubernetes (3y), GCP, CI/CD pipelines, A/B testing	**Other tech**	Agile, testing, applied math, Linux
		Spoken Languages	English, Ukrainian, Russian, German (A1-A2)

Experience

ML Engineer / Software Engineer (Full-time)   06/2022 – present
freiheit.com technologies gmbh (Hamburg, Germany)

- Skill areas used: all the skills listed above.
- Built, optimized, and deployed relevance ranking models used in product search in large-scale eCommerce systems.
- Increased the search success rate by 1%, significantly contributing to the company's annual revenue of €500 million.
- Automated the deployment of AI models with the goal of easing the A/B testing and faster deployment of new models.
- Developed a proprietary cloud platform, implementing Go-based microservices as core components of the system's backend architecture.

AI System Engineer (C++) (Full-time)   09/2021 – 05/2022
Huawei

- Skill areas used: all from Machine Learning, Deep Learning, Data stack, MLOps, and Other tech sections. C++, Python.
- Developed and optimized a C++ AI library for on-device training, with a target of resource-constrained environments.
- Implemented sparse weights and training algorithms, reducing the size of the model by 50% without sacrificing accuracy.
- Optimized layers of large language model (LLM) to achieve a 20% increase in processing speed while maintaining the same output quality.

Intern ML Engineer (Internship)   06/2020 – 06/2021
Acronis

- Skill areas used: all from Machine Learning and Other tech sections. Python.
- Built anomaly detection models targeting the Windows network subsystem.
- Used Python and SQL to analyze large volumes of log data for feature engineering and model training.

Education

Master of Science   2022 – 2023

- **University**: University Grenoble Alpes (UGA) & Grenoble INP in France
- **Department**: Industrial and Applied Mathematics (MSIAM)
- **Main focus**: Data Science, Computer Science

Bachelor of Mathematics and Physics   2018 – 2022

- **University**: Moscow Institute of Physics and Technology (MIPT)
- **Department**: Applied Mathematics and Computer Science
- **Main focus**: Advanced Math, Probability & Statistics, Analysis, Computer Science

Other activities

- Continuous learning through online platforms (Coursera, Stepik, etc.) in ML, DL, DS, and related fields.
- Winner and participant in mathematics, physics, and computer science competitions at national and international levels.
- Member of a local volleyball club, participating in regular trainings, tournaments, and team events.