Artem Komarov

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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

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

Experience

ML Engineer / Software Developer (Full-time) **2022.06 – present**
freiheit.com technologies gmbh (Hamburg, Germany)

- 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) **2021.09 – 2022.05**
Huawei

- 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 compromising 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) **2020.06 – 2021.06**
Acronis

- 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
- **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

Additional education

Machine Learning Crash Course. **2024**
- Provider: Google Developers.
- Focus: ML, production-ready ML pipelines, AutoML.

Neural networks and computer vision. **2021**
- Provider: Samsung on Stepik.
- Focus: NNs, CNNs, image classification.

Industrial Programming (C, C++ courses) **2020**
- Provider: Mail.Ru Group (on-site).
- Focus: C/C++, algorithms, data structures.

ML and DS Specialisation (Courses 1–2) **2020**
- Provider: MIPT & Yandex on Coursera.
- Focus: Data Science, Supervised and unsupervised learning, math behind.