Dr. Artiom Kovnatsky

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PROFESSIONAL SUMMARY

Highly accomplished Data Scientist and Business Analyst with extensive experience in delivering end-to-end data services, including data science, business analysis, MLOps, and consultancy. Renowned for extracting meaningful business value from "poor" or "rare" data, even under challenging circumstances. Proven ability to manage and deliver high-impact projects within tight deadlines while maintaining the highest quality standards. Demonstrated leadership in assembling and mentoring cross-functional teams to achieve strategic goals. Proficient in various tools and methodologies, with a strong focus on innovation and efficiency.

Key Skills:
• Languages & Tools: Python, R, Postgres, SQL, Scikit-Learn, PyTorch, TensorFlow, CatBoost, XGBoost, HuggingFace.
• MLOps & AI Research: Langchain, OpenAI, LlamaIndex, AirFlow, MLFlow; AWS/GCP.
• Agile Methodologies: Kanban, Flat Hierarchy Leadership.

WORK EXPERIENCE

Self-employment | Berlin, Germany

Data Science & Engineering Consultant | September 2019 – Present
• Provided hands-on and consultancy services across various industries, specializing in machine learning, business analysis, MLOps, and maximizing value from "imperfect" and "rare" data.
• Managed and delivered high-risk projects, ensuring on-time completion and exceptional quality outcomes, even with limited or challenging data.
• Successfully applied for grants by proposing innovative AI research projects that leveraged unconventional data sources.

Lot Internet GmbH | Berlin, Germany

Senior Data Scientist & Consultant | October 2023 – July 2024

• Developed cutting-edge data science products for clients, focusing on vehicle data analytics, including projects for Skoda GmbH.

Valyria Technology GmbH | Berlin & Brandenburg, Germany

Lead Data Scientist | September 2021 – November 2022
• Established and led the data science department, building a decentralized team from the ground up.
• Defined the vision, strategy, and tech stack, ensuring timely delivery of data-driven solutions in the real estate domain.

SKF Group | Remote Germany & Israel

Data Scientist | March 2021 – September 2021
• Developed survival models for predictive maintenance, optimizing machine maintenance schedules in collaboration with a specialized team.

Kenjo GmbH (ex: Org OS GmbH) | Berlin, Germany

Data Scientist & Consultant | May 2018 – June 2020
• Consulted the CEO on developing a predictive analytics engine for HR data.
• Authored a successful grant proposal, securing €1.2M in funding for the project.
• Provided critical last-minute project support, delivering solutions under tight deadlines.

Lot Internet GmbH | Berlin, Germany

Data Scientist & Consultant | April 2020 – April 2020
• Consulted on data science and business strategy for a new product launch.

Estonian Government - Estonian Land Board | Tallinn, Estonia

Data Scientist & Consultant | January 2019 – December 2019
• Developed a prototype evaluation engine for cadastral land units, forming the foundation for Estonia's 2020-2021 land tax reform.

HOMEDAY GmbH | Berlin, Germany

Data Scientist & Business Analyst | February 2017 – April 2020
• Developed the PREISATLAS real estate price map, resulting in a 1500% increase in traffic and a 750% increase in qualified leads.
• Created the HOMEDAY-estimation package, a core tool for automatic property evaluation used daily by the company.
• Proposed and presented innovative business models, influencing company strategy.
• Enhanced business processes through data-driven insights.
• Presented work at conferences, consistently recognized as one of the top speakers.

Technicolor | Rennes, Brittany, France

Researcher | June 2014 – August 2014
• Research & development in Image Processing: Technicolor submitted a patent.

USI-Università della Svizzera italiana | Lugano, Switzerland

Scientific Researcher | December 2011 – November 2016

• Conducted advanced research under Prof. Michael M. Bronstein, with work published in top-tier journals and conferences.
• Delivered presentations across various international venues.
• Taught Computer Vision and Mathematics courses.

EDUCATION

USI-Università della Svizzera italiana | Lugano, Switzerland

PhD in Computational Science
December 2011 – November 2016
Thesis: Spectral Methods for Multimodal Data Analysis
Google scholar: https://tinyurl.com/3rz8mjyr

Technion - Israel Institute of Technology | Haifa, Israel

M.Sc. & B.Sc. in Applied Mathematics
September 2003 – September 2013

LANGUAGES

• Russian: C2
• English: C1
• Ukrainian: B2/C1
• Hebrew: B2/C1
• German: B2

SOFT SKILLS

• Award-winning skills in Teaching & Presenting

INTERESTS & HOBBIES

• Reading
• Writing
• Organizing Events
• Dancing
• Boxing
• Mentoring