IVAN DANIELOV IVANOV

Lead Data Scientist

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SUMMARY

Technology leader with over 7 years of professional experience in Machine Learning and BigData Analysis. Successful delivery of production grade ML solutions in Retail, Manufacturing, and Education.

SKILLS

- Machine Learning | Deep Learning | NLP | LLMs | Big Data Pipelines | Recommendation | Customer Analytics
- Python | SQL | PyTorch | GCP (certified in 2020) | Azure ML | BigQuery | Dataflow | Tableau | CI/CD | Scrum
- Tech Leadership | Intercultural Communication | Public Speaking | English (Professional) | German (Basic)

EXPERIENCE

Stork (Bulgarian LLM Project)   📍 *Sofia, Bulgaria*

Volunteer Machine Learning Engineer   **Jul 2023 - Present**

- Building the **first Bulgarian foundational LLM** alongside a team of 10 leading Bulgarian ML experts
- Developing a **scalable pipeline** for processing 100s of GB raw text data using Google Cloud Dataflow

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Humans in the Loop   📍 *Sofia, Bulgaria*

Chief Technology Officer   **Nov 2022 - Jun 2023**

- Defined the **technology strategy** to transition from service company to product company in the MLOps domain
- Defined the roadmap and developed **MVP of the first product** - platform for live human oversight of AI systems
- Built and productionalized the platform using: Python (Flask), PostgreSQL, GCP, Docker, Terraform, Label Studio
- Onboarded and supported the **first paying customer** of the product which provided work to 4 refugees in Sofia

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SoftServe   📍 *Sofia, Bulgaria*

Lead Data Scientist   **Feb 2021 - Nov 2022**

Data Scientist   **Jan 2019 - Jan 2021**

- Led a team of 5 Data Scientists to build an **ML platform** (NLP, Graphs, Recommendation) used by **40K students**
- Built a **predictive maintenance system** that reduced unscheduled downtime for 2 semiconductor companies
- Developed customizable ML tools within a **prescriptive analytics platform** for large scale US retailers
- Led the **productionalization** of ML pipelines on cloud using: Azure ML, GCP (Dataflow, Composer, Run, AI Platform)
- Data science consultant for multiple projects (happy client's testimonial)

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Progress Software (Telerik)   📍 *Sofia, Bulgaria*

Data Scientist   **Feb 2018 - Dec 2018**

Data Scientist, Associate   **Feb 2017 - Jan 2018**

BI Performance Analytics Intern   **Nov 2016 - Feb 2017**

- Developed Machine Learning solutions for predicting **lead purchase** and customer churn propensity that:
  - Helped the sales team to process 1000s of leads per day and identify potential upsell opportunities
  - Helped the customer success team to identify and prevent valuable customers from churning

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Recogizer Group   📍 *Bonn, Germany*

Data Science Intern   **Aug 2016 - Oct 2016**

- Developed a module for online adaptive training of deep neural networks using Kafka and Cassandra

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University of Bonn   📍 *Bonn, Germany*

Student Assistant   **Oct 2015 - Sep 2016**

Student Research Assistant   **Oct 2014 - Jun 2015**

- Assisted the research activities in a **robotics lab** working on mobile manipulation robots using C++ and ROS
- Participated in the **DARPA Robotics Challenge 2015** in Los Angeles, California - our team won the 4th place
- Tutored exercise classes for 100 students of 2 master lectures: "Data Mining", "Learning from Non-Standard Data"

MicroAccount (Acq. by Yara)   📍 *Varna, Bulgaria*

Software Developer   **Jul 2012 - Aug 2013**

- Web and mobile **development** of application used by dozens of large scale farmers for tracking their equipment

EDUCATION

University of Bonn   📍 *Bonn, Germany*

M.Sc. in Computer Science   **Oct 2013 - Oct 2016**

- Specialization on Intelligent Systems | GPA: 1.6 (best 1, worst 5) | Master Thesis: Feature extraction from **Graphs**

Technical University of Varna   📍 *Varna, Bulgaria*

B.Eng. in Computer Systems and Technologies   **Sep 2009 - Jul 2013**

- GPA: 5.85 (best 6, worst 2) | Bachelor Thesis: Melody modeling using Neural Networks

CERTIFICATES

- Google Cloud Certified - Professional Data Engineer (2020 - 2022)

PUBLICATIONS

- (Nov 2016) [NimbRo Rescue: Solving Disaster-Response Tasks through Mobile Manipulation Robot Momaro](#)

SIDE ACTIVITIES

Data for Good - Bulgaria	Labsi	ABLE Activator 2022	ABLE Mentor
Co-founder and Data Science volunteer of the [NGO](#) that provides data work for the Bulgarian civil sector	[Startup](#) developing a mobile app for intelligent heath tracking	Graduated the 6 week high-intensity entrepreneurship [program](#) as part of the winning team (Labsi)	Mentored 2 high school students in career orientation