

# IVAN DANIELOV IVANOV

Lead Data Scientist

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[LinkedIn](#)

[Portfolio](#)



## 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

### Labsi

[Sofia, Bulgaria](#)

#### Co-Founder

May 2022 - Present

- Building a [product company](#) providing a mobile app for **personalized healthcare**
- Developing an **intelligent document processing** service for extracting structured data from lab test documents
- Developing a cross-platform **mobile application** using Flutter
- Maintaining and automating scalable **cloud infrastructure** on Google Cloud Platform using Terraform
- Conducting **customer interviews** and various other **product management** activities
- Gained **207 actual users** and **577 uploaded documents** in the first month after the app launch with no paid ads

### 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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## **Recognizer 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"

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## **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
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## EDUCATION

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### 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**
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### 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

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- Google Cloud Certified - [Professional Data Engineer \(2020 - 2022\)](#)

## PUBLICATIONS

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

## SIDE ACTIVITIES

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<b>Data for Good - Bulgaria</b>	<b>ABLE Pre-accelerator 2023</b>	<b>ABLE Activator 2022</b>	<b>ABLE Mentor</b>
Co-founder and Data Science volunteer of the <a href="#">NGO</a> that provides data work for the Bulgarian civil sector	Participating as a co-founder of Labsi and receiving mentorship from leading Bulgarian tech entrepreneurs	Graduated the 6 week high-intensity entrepreneurship <a href="#">program</a> as part of the winning team (Labsi)	Mentored 2 high school students in career orientation