IVAN DANIELOV IVANOV

AI Engineer & Product Builder

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SUMMARY

Technology leader with over 9 years of professional experience in AI, Machine Learning, and BigData. Built products and solutions in Education, Healthcare, Retail, and Manufacturing.

SKILLS

- AI Engineering | Machine Learning | Big Data Pipelines | Advanced Analytics | Product Research
- Python | SQL | Azure | GCP ([certified in 2020](#)) | BigQuery | Dataflow | Tableau | CI/CD
- Tech Leadership | Intercultural Communication | [Public Speaking](#) | English (Professional) | German (Basic)

EXPERIENCE

Ethermind
📍 *Sofia, Bulgaria*

Chief Technology Officer
Nov 2023 - Present

- Drive product research, ideation, and validation processes
- Communicate with clients and partners
- Define and execute the technology roadmap to meet business goals
- Oversee AI software research, development, and product launches
- Hire, mentor, and manage the technical team
- Ensure reliable infrastructure and secure systems
- Maintain compliance and quality standards

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
- Over **900 users** and over **3,000 uploaded documents** since the app launch

Stork (Bulgarian Open Source LLM Project - [link](#))
📍 *Sofia, Bulgaria*

Volunteer Data Scientist
Jul 2023 - Jan 2025

- Helped in building a **Bulgarian foundational LLM** alongside a team of 10 leading Bulgarian ML experts
- Developed a **scalable pipeline** for processing 100s of GB raw text data using Google Cloud Dataflow

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)

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	ABLE Pre-accelerator 2023	ABLE Activator 2022	ABLE Mentor
Co-founder and Data Science volunteer of the [NGO](#) 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 [program](#) as part of the winning team (Labsi)	Mentored 2 high school students in career orientation