

Stanislaw Hluboki

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Summary

Experienced software engineer with a broad range of skills and a deep focus on web scraping and data applications. Throughout my career, I have successfully developed and managed complex systems, including data-driven AI products, MLOps platform and the largest digital art collection in the world. My technical expertise extends across multiple aspects of engineering, from machine learning operations to full-stack development, making me a flexible and effective contributor to any tech team.

Education

Belarusian State University of Informatics and Radioelectronics

SEP 2015 - JUN 2019

Faculty: Computer Systems and Networks.

Specialty: Informatics and Programming Technologies.

GPA: 9.0 out of 10

Work Experience

Superside

Software Engineer (Generative AI)

SEP 2023 - PRESENT

- Developed a system to extract and store tens of thousands of Midjourney-generated images daily from Discord, complemented by a platform for exploring images with prompts.
- Created an internal AI platform for designers, integrating OpenAI GPT models and fine-tuned Stable Diffusion models, saving creative hours and enhancing creativity.
- Developed a platform for fine-tuning custom Stable Diffusion and Flux models. Trained 500+ models and optimized parameters and datasets for the best possible results. Created guidelines for non-technical employees to easily train new models.
- Engineered ETL processes for an ads platform, enabling ad performance tracking across LinkedIn and TikTok.
- Designed and built a multi-agent system for AI Copilot used to analyse ad performance, modify reports, as well as generate new ads using text-to-image models.

Bolt

MLOps Engineer

MAR 2022 - SEP 2023

- Enabled 30 data scientists to experiment, train, and deploy models, handling 350K req/min on our advanced ML platform.
- Built data monitoring for anomaly detection in training and inference data and drove adoption of the feature across all data science teams.
- Implemented micro-batch processing for near-real-time calculation of surge forecasting, making features like Scheduled Rides possible.
- Led cost savings initiatives, achieving \$130K annual savings via autoscaling and serverless inference.
- Developed data pipeline for Bolt Wrap-Up 2022 to show yearly stats to the tens of millions of users.

HENI Group

Lead Data Acquisition Engineer

AUG 2021 - MAR 2022

- Led a team of 5 engineers to build a data acquisition platform to collect the largest art dataset in the world.
- Designed the architecture for the NFT data collection pipeline, collecting 1M+ NFTs weekly from 10 top marketplaces.

Data Acquisition Engineer

AUG 2020 - JUL 2021

- Developed a web scraping framework to collect data from 100+ galleries, art fairs and marketplaces, as well as easily unit-test the scrapers.
- Implemented more than 100 individual scrapers to collect data from various sources.

PriceHubble outsourced through iTechArt

Data Acquisition Engineer

APR 2018 - JAN 2019. JUN 2019 - AUG 2020

- Developed and maintained over 50 crawlers to extract real estate data from various sources, processing over 10 million listings monthly.
- Implemented advanced scraping techniques with custom Splash patches and Lua scripts to increase data collection success rates from 10% to 80% for bot-protected sources.
- Acquired and analyzed high-interest datasets from Airbnb and TripAdvisor, extracting insights about urban regions to inform strategic decision-making.

A*STAR IHPC

Research Assistant

FEB 2019 - JUN 2019

- Researched secure multi-party computation and secret sharing as a part of an under-graduate program in the Institute of High Performance Computing.
- Developed a multi-party computation framework based on JIFF allowing intuitive implementation of secure algorithms.

- Implemented a distributed MPC algorithm for maritime brokers, securely connecting freight ship owners with cargo.

NUDEST outsourced through iTechArt

Machine Learning Engineer

JAN 2018 - MAR 2018

- Developed a computer vision algorithm to determine skin color from selfies with 95% accuracy, enhancing personalized user experiences.
- Engineered and deployed a web application featuring a face color recognition API, allowing real-time image analysis.
- Successfully integrated the color recognition app into the existing Shopify system, facilitating seamless ecommerce customizations.

TruckIT outsourced through iTechArt

Full-Stack Engineer

AUG 2017 - JAN 2018

- Developed an app to facilitate real-time communication between dump truck drivers and customers, improving operational efficiency.
- Established a robust infrastructure capable of processing 10+ million coordinates daily from driver mobile phones using Elasticsearch, enhancing data management and tracking accuracy.
- Implemented the visualization of diverse geographical data on 20+ maps via Google Maps API, providing comprehensive insights into driver routes and activities.

Languages

- English: C1 (Advanced, IELTS-certified)
- Polish: B1 (Intermediate, certified)
- Russian: Native speaker

Technologies

- Python, JavaScript, TypeScript
- GPT models, Multi-Agent Systems, Stable Diffusion, Flux
- Flask, FastAPI, Django, React, NextJS
- Scrapy, Playwright, Selenium, Puppeteer
- Airflow, Luigi, Temporal
- PostgreSQL, MongoDB, Snowflake
- Docker, Kubernetes, Helm
- Google Cloud Platform, AWS, Vercel