Maksym Strielnikov

Software Developer | PhD candidate in Applied mathematics

" I am an Software Engineer with a demonstrated background in Cloud Native stack. Currently, I am actively growing my expertise in Data Science, focusing on time series forecasting and NLP technologies. As a researcher by nature, I enjoy inventing my own engineering solutions and practicing mainstream technologies. Additionally, I am working on my PhD thesis, which is relevant to both ML and Cryptography. I have completed an intensive course in blockchain development and I am an active hackathon participant in topics related to blockchain, AI, and Data Science. I aspire to be part of an innovative team!
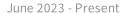
📍 Poland

🔗 [LinkedIn](#) 🔗 [GitHub](#) 🔗 [ResearchGate](#)

Skills

- Python: PySpark, DBUtils, GitLab API, Pandas, tranformers, Flask, web3.py, lambdas
- Go Lang: kubernetes API, Pulumi, cryptography, http
- Web3: Geth, ERC20 tokens, solidity, smartcontracts
- Clouds: AWS, GCP, Azure
- MLOps: Azure Databricks, AWS SageMaker, Jupyter Notebooks
- DevOps: Kubernetes, Terraform, Ansible
- Security: HashiCorp Vault, PKI, Cloudflare
- Data engineering: Kafka + Confluent, Minio
- DB: MySQL, PostgreSQL, Redis, MongoDB, Cassandra

Work Experience

Software Engineer • Capgemini Engineering

June 2023 - Present

Outsource / outstaff
- Implement steps for ML training using **Tensorflow, PySpark, Pandas, transformers**
- Prepare data sets for learning process and verify its quality with statistical tests
- Develop ML pipelines in **Azure Databricks** and **AWS Sagemaker**

Platform Developer • Self Employed

December 2022 - May 2023

Freelance / Contracts
- Develop reusable infrastructure components on **Go** and **CUE** for **KubeVela**
- Own and develop Software as a Service solution on **Go** to manage infrastructure and it's integrations
- Develop an internal framework for **Go** on top of **Pulumi**

Junior DevOps Engineer • Parimatch Tech

May 2021 - November 2022

Product
- Develop tools for GitLab integration using **Python**
- Develop an internal infrastructure platform to deploy environments by click using **GitOps**
- Develop **Confluent** data streaming platform

Junior DevOps Engineer • Sigma Software Group

January 2021 - May 2021

Outsource
- Migrate monolithic applications into containers and/or cloud
- Bootstrap **AWS** infrastructure and **CI/CD** for projects using **GitLab** + **Terraform**
- Automation of complex deployment scenarios

Linux System Administrator • GeeksForLess Inc.

November 2019 - January 2021

Outsource
- Developed a tool to analyse malicious mail content using **Python**
- Improve internal utility for malware detection
- Administration of **Linux** on-prem servers, **F5** firewalls, optimise web-servers

Education

National Technical University of Ukraine 'Kyiv Polytechnic Institute'   2023 - 2027
- Applied Mathematics

Admiral Makarov National University of Shipbuilding   2021 - 2022
- Computer Science

Admiral Makarov National University of Shipbuilding   2017 - 2021
- Cybersecurity

Projects

- **K8s custom operator PoC**. Example of a custom K8s operator implementation using kubebuilder.
- **TelemetryAgent**. Telemetry agent for low resource server with TLS support.
- **ECC native signers**. Implementation of ECC Schnor digital signature using native Go lang libs.
- **ETH days hackathon project**. Automated matching of P2P orders using semantic search and automatic smart contract creation through bot