

Evgenii Venediktov

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Pittsburgh, PA, USA

Work experience

Software Engineer

November 2022 - March 2023

Ozon

- Created new functionality to estimate the expected change in campaign reach depending on ad rate changes. Value is estimated via processing up to two weeks of auction log data for each item advertised on Ozon marketplace (~4Tb). Endpoint returns calculated data with response time ~300ms. It was achieved via development of CronJob that aggregates statistics on auction log data every night
- Provided a transition to a new secret key to decode real-time ad auction messages with no downtime in the microservice that handles ad events online

Junior Software Engineer

December 2021 - November 2022

Ozon

- Created new functionality in service that analyses advertisement action logs in CronJob for last 3 days and returns competitive advertising bid for given goods on site. Response time of that feature is 100ms
- Designed and implemented a module for advertisement effect forecast. Forecast is made by collection of statistics-based approximation models which are fitted in parallel automatically on schedule. It helped to reduce forecast creation time by 98% (2m -> 2s) compared to previously used technique
- Created antifraud module for a new cost-per-click advertising placement on site. It saves users clicks to Redis and marks repeated click events as fraudulent and sends them to a special fraud Kafka topic. Works in real-time in service that processes over 100k messages per second

Software Engineer Intern

June 2021 - December 2021

Ozon

- Built a microservice in Golang that consumes Kafka messages of advertising events on ozon.ru marketplace and calculates efficiency of search promotion for any given item on marketplace
- Built a microservice in Golang with a front-end interface in JS/React for advertisement effect forecast, that interacts with other services via gRPC, collects historical data from column-oriented database ClickHouse, makes a forecast and returns it to front-end

Education

University of Pittsburgh

September 2023 - Present

PhD, Electrical and Computer Engineering

Computer Vision and Image Processing track

Saint-Petersburg State University of Industrial Technology and Design

September 2019 - July 2023

BSc, Applied mathematics and informatics

GPA: **4.9** (of 5.0)

Relevant courses: Calculus, Differential Equations, Probability Theory and Statistics, Numerical Methods, Databases, Programming, Computer Networks

Personal projects

- **CycleGAN implementation** - 2021
Monet painting style transfer to photos with Keras as a course project for my university.
- **“AtomHack” hackathon** - 2021
Project – kickstarter-like web platform. I made a system for recommendation of project pages based on cosine similarity, and feature for automatic power point presentation generation for projects on web platform
- **Image editing program** - 2020
Blur, sharpening, edge highlight effects which are based on convolution operation.

Technological Skills

Languages: Golang, Python, Matlab, Java, SQL, Javascript, HTML, CSS

Technologies: Redis, PostgreSQL, ClickHouse, Docker, Kafka, React, Grafana, Protobuf, ElasticSearch