

EXPERIENCE

Software Engineer **Delivery Hero** **October 2022 — Present**
Restaurant Supply Chain → AdTech Berlin, Germany

- Developed and maintained **Flask** APIs (**Python, SQLAlchemy**), adhering to CI/CD best practices.
- Integrated third-party APIs (**Shopify, Stream Chat, Twilio**) to expand software capabilities.
- Deployed and managed **AWS** services (**S3, Lambda, ECR, SQS**) with **Terraform**.
- Worked on **Dart**-based **Flutter** mobile app development.
- Improved performance of API gateways in **Go** resulting in **40%** latency reduction and accelerated **React** frontend loading times.

Software Engineer **360dialog** **July 2020 — September 2022**
Berlin, Germany

- Automated billing with **Stripe** API, greatly reducing the amount of manual work.
- Worked closely with **WhatsApp Business Platform** API to ensure a seamless messaging experience for the clients.
- Significantly increased speed of onboarding for new clients with Embedded Signup.
- Designed and implemented **Flask** APIs (**Python, SQLAlchemy**).
- Deployed services wrapped as **docker** containers in the cloud (**GCP**).
- Utilised **Behavior-driven development** (BDD) with tests in natural language (**behave**).
- Enhanced monitoring in **Grafana** using **Prometheus** and connected alerts to **Slack**.

Software Developer **1C** **November 2019 — July 2020**
1C:Enterprise Development Tools Moscow, Russia

- Introduced new features into IDE using **Java** to improve user experience and let programmers to write reliable code faster.
- Extended set of available plug-ins for the platform based on **Eclipse IDE**.

Quantum Software Engineer Intern **QuTech** **September — November 2019**
Wehner Group, Quantum Internet Division Delft, Netherlands

- Developed in **C** an embedded firmware for Hercules LaunchPad microcontroller to control quantum physical setup via connection through ADwin-Pro.
- Collaboratively with physicists built a **Reinforcement Learning** system in **Python** to control setup of lasers during the experiments with NV-center in diamonds.

Machine Learning Engineer **ChatFirst** **September 2018 — April 2019**
Moscow, Russia

- Responsible for **NLP**. Investigated available ML models, stacked and utilised them in **Python** to improve performance of chatbots.
- Used **BERT** to improve performance of production system in multiple aspects. Fine-tuned the model for downstream tasks.

Teaching Assistant **Laboratory of Neural Networks and Deep Learning** **March — December 2017**
Laboratory of Neural Networks and Deep Learning Moscow, Russia

- Responsible for preparing assignments for the courses of Reinforcement Learning and Natural Language Processing with the number of 100+ enrolled students each.

EDUCATION

M.Sc. in Computer Science and Physics **2019 — 2021**
Moscow Institute of Physics and Technology, Russia

B.Sc. in Computer Science and Physics **2014 — 2019**
Moscow Institute of Physics and Technology, Russia

TECHNOLOGIES & LANGUAGES

- **Languages:** Python, Go, Java, C/C++; **Frontend:** React, JavaScript, CSS/HTML;
- **Technologies:** PostgreSQL, Docker, Terraform, AWS/GCP, Git, BDD, Jenkins, Spinnaker;
- **Python libraries:** numpy, scikit-learn, pandas; **NLP:** NLTK, Gensim; **Deep Learning:** PyTorch, TensorFlow; **Web:** Flask, Django; **Databases:** SQLAlchemy, peewee.
- **English:** Full Professional Proficiency, **German:** B2, **Russian:** Native