

Ali Panesh

Almaty, Kazakhstan

+7(705)804-87-42 | paneshali3@gmail.com | [panesher](#) | [in panesher](#)

EDUCATION

Higher School of Economics

BACHELOR OF COMPUTER SCIENCE, ML DEPARTMENT

Moscow/Remote

2019-2023

EXPERIENCE

Yandex

Remote

SOFTWARE ENGINEER C++ | BANK UNIT

Oct 2022 - Present

Designed and led smart the cache microservice for screen to maintain the consistency across main screens with a **30ms** latency on the **p99.9**.

Developed **multiple set-cookie** and **bson<->json conversion avoiding stack overflow** in **userver** open-source framework.

Implemented backend to use a restricted bank mobile application without a bank account.

Gologin

Remote

DEEP LEARNING ENGINEER | GOLESS

Jul 2022 - Sep 2022

Made and trained the model for **object detection** with mAP@0.5 over **95%** to parse websites using **PyTorch** and **YOLOv5**.

Developed microservice in **Python** from scratch, which handles this model. The service detects bounding boxes for the website picture and writes it as a response to **MongoDB**.

JUNIOR SOFTWARE ENGINEER CHROMIUM | ORBITA BROWSER

Nov 2021 - Jun 2022

Created a rebasing script for **Chromium** using **Node.JS**, **Python**, and **git patches**, which decreased the time of rebasing between chromium branches by **90%**.

Found vulnerabilities and fixed them in the fingerprint in `getClientRect`, `canvas` and `WebGL` images, etc.

Yandex

Moscow

INTERN SOFTWARE ENGINEER C++ | DELIVERY UNIT

Jul 2021 - Oct 2021

Implemented the feature that reduced driver rejection by **10%**.

SKILLS

- **Programming languages:** C/C++, Python, SQL, Golang, JavaScript, Bash
- **Technologies:** Git, Linux, Docker, PostgreSQL, MongoDB, ClickHouse, Kafka, Redis, MapReduce
- **Languages:** English: upper-intermediate, Russian: native

PROJECTS

- **Diploma work: Dialogue Subject's Recommendation based on Knowledge Graphs.** Graph translation-based model achieved hit@10 **32%** on Tipical-Chat, **37%** on Daily Dialog.
- NewSQL database. It's written using **C++**, **ragel** and **bison** for parsing queries, **LLVM IRBuilder** for JIT compilation for execution query. Every query running in RAM. Database use file for each table.
- **Chat** is a console **client-server C++** application based on **Boost.Asio** using **socket**, **thread**, **JSON**. The README contains all commands and instructions.