# Ali Panesh

*Almaty, Kazakhstan*

📞 +7(918)227-55-72 | ✉ paneshali3@gmail.com | ⚙ panesher | in panesher

## EDUCATION

**Higher School of Economics**                                        *Moscow/Remote*
Bachelor of Computer Science, ML department                            *2019-2023*

## EXPERIENCE

**Yandex**                                                            *Remote*
Software Engineer C++ | Bank unit                                    *Oct 2022 - Present*

Implemented multiple set-cookie and bson<->json conversion avoiding stack overflow in **userver** 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 **90%** to parse websites using **PyTorch** and **YOLOv5** (**paper**).
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**. We chose **AWS S3** for storing images and **RabbitMQ** as a queue for this microservice.

Junior Software Engineer C++| Orbita Browser                         *Nov 2021 - Jun 2022*

Found vulnerabilities in the fingerprint in getClientRect, canvas and WebGL images, etc. and fixed them with **C/C++**.
Created a rebasing script for **Chromium** using **Node JS**, **Python**, and **git patches**, which decreased the time of rebasing between chromium branches by **90%**.

**Yandex**                                                           *Moscow*
Intern Software Engineer C++ | Delivery unit                         *Jul 2021 - Oct 2021*

Implementing the feature reduced rejection by almost **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

- **Chat** is a console **client-server C++** application based on **Boost.Asio** using **socket**, **thread**, **JSON**. The README contains all commands and instructions.

- 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.