

# Ali Panesh

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## EXPERIENCE

### Cerera | High-Frequency Trading Company

Remote

INFRASTRUCTURE SOFTWARE ENGINEER | C++, WEBSOCKET

Jun 2024 - Present

- Added spot section for Binance exchange which generates **terabytes** of data daily.
- Led reverse engineering across Binance's platform, enabling the team to develop key features such as stop-loss and take-profit orders.

### Yandex | Pay unit

Remote

SOFTWARE ENGINEER | C++, GO, POSTGRESQL, MONGODB, KAFKA

Oct 2022 - May 2024

- Reduced response time by **90%** for specific handlers, achieving **4000 RPS** with **10ms** latency (p99) in a microservice designed for consistent main-screen performance.
- Architected a user infrastructure service with optimized latency (**6000 RPS**, **5ms** at p99), driving seamless user interactions.
- Designed a high-performance **set-cookie** and **bson-json conversion** that supported processing of **1'000'000+** requests per second across Yandex in **userver**.
- Developed data processing and export service for a payment system handling 50 transactions per second, enabling efficient data transfer to banking systems.
- Led **2 peers** on separate complex projects, directly working with one to complete both.

### Gologin

Remote

JUNIOR SOFTWARE ENGINEER | CHROMIUM, C++, NODE.JS, PYTHON, GIT

Nov 2021 - Sep 2022

- Engineered a Chromium rebasing script that reduced rebase times from week to hours, enhancing developer productivity and resulting in an estimated savings of **1000+** hours annually.
- For UI invented avatar over icon for **windows**, **ubuntu**, and **macos** to differentiate opened profiles.
- Implemented font replacement for macos which enabled substitution for **100+** fonts.

## TEACHING EXPERIENCE

### HSE university

SCIENTIFIC SUPERVISOR, TEAM LEADER

- Supervised cross-functional team of **4 students** in designing and developing a project to assist individuals with allergies in searching safe foods.
- Students built web applications for client and admin, IOS and Android application, backend with 7 services.

## EDUCATION

### HSE university

Moscow

BACHELOR OF COMPUTER SCIENCE, ML DEPARTMENT

Diploma: entity recommendation for chat dream. Using **5 million** wikipedia entities.

## SKILLS

- Programming languages:** C/C++, Python, SQL, Go, JavaScript, Bash
- Technologies:** Git, Linux, Docker, PostgreSQL, MongoDB, ClickHouse, Kafka, Redis, S3
- Languages:** English: upper-intermediate, Russian: native