

# KOCHUR VIKTOR

Citizenship: Uzbekistan ♦ Current Location: Moscow, Russia

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## SKILLS

### BACKEND

C++, Python, protobuf, gtest

### DATA PIPELINES

Spark, Hadoop, Kafka, Airflow

### SOFT SKILLS

Time Management, Teamwork

## EDUCATION

**MISiS University of Science and Technology,**

Moscow, Russia

Sep 2019 - Jun 2023

B.S., Information Technology

GPA: /5

### DevSecOps and containerization technologies

Higher School of Economics, Moscow, Russia

[Credentials in Russian](#)

Nov 2022 - Dec 2022

## EXPERIENCE

### VK — C++, Python, Big Data

Software Engineer — Dec 2022 - Present, Moscow, Russia

Fuzzy search in search suggests

Goal: increase completeness of suggests engine response. 1. Studied numerous articles and sources about Levenshtein automaton, designed and implemented one.

2. Integrated new automaton technology into existing structure storing queries.

Pipeline for suggests assessment

Goal: implement one click count of metrics. 1. Gathered existing metrics in all projects related to search suggests.

2. Designed and implemented a pipeline in Airflow.

3. Connected all verticals to the pipeline.

Fast index and multiindex

Goal: Faster delivery of new queries and increase completeness.

1. Implemented fast indexer using Kafka and Spark Structured Streaming.

2. Add possibility for one daemon to work with several databases.

2. Add mixer of common and fast results.

### Education Mentor, VK Education

Mar 2023 - May 2023

Mentor of course "Modern C++", C++ 20, Communication, Github, Code Review

## EDUCATIONAL PROJECTS

**Json Parser** (C++, STL, json)

[GitHub](#)

**Transport Directory** (C++, STL, protobuf, SVG, cmake)

[GitHub](#)

- Finds the quickest way from one bus station to another.
- Draws the whole bus routes map using SVG.

**Lite Python Interpreter** (C++, STL, Python, cmake)

[GitHub](#)

- Analyzes python code.
- Compiles this code.

## EXTRA-CURRICULAR ACTIVITIES

- Development in C++ (5 coursers) Yandex & E-Learning Development Fund, Moscow Institute of Physics and Technology [Certificate](#)

- Algorithms/data structures Training Yandex

- "14 Days Study Plan to Crack Algo" Leetcode