

Kochetkov Nikita

Java/Kotlin developer

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Work experience

Senior Software Engineer/VK

Saint-Petersburg, Russia

May 2022 - Present

Relevant areas: Highload, Recommender Systems

Development of a **Media Recommender System** for clips and videos for VK and Odnoklassniki. Development of a "video platform", which is a universal solution for storing, watching and broadcasting videos

I extracted the Media Recommender System into a separate microservice unit, which made it possible to more effectively keep the growing load and scale. The system is fault-tolerant and stably holds a load of **30k rps** with **78 million users (DAU)**

Developed a service that marks up video content on the fly to improve recommendations and clusterize them

Implemented a cache made in Java off-heap, which reduced the waiting time for new recommendations

Infrastructure: added metrics, dashboards and alerts for supported services

Software Developer in Qodana/JetBrains

Saint-Petersburg, Russia

June 2019 - April 2022

I was one of the people who started developing Qodana, a code quality platform for CI

Integrated code analysis of IntelliJ IDEA and various plugins with the TeamCity CI/CD service. Added the ability to use Qodana as a build step and build analysis and flexible Quality Gate for developing different parts of the product

Developed the code base and the system of interaction of product parts, as well as its extension for new integrations. Optimized storage and processing of analysis results

Added features to the TeamCity service: comparison of analysis results of different builds, support for Kotlin DSL to customize the analysis, working with build metrics, using analysis results as tests

Managed releases. Wrote documentation and onboarding documents, set up project builds and test environments. Wrote unit and system tests

Teacher of Java course/ITMO University

Saint-Petersburg, Russia

September 2021 - February 2022

Homework projects review of ITMO students Java course

Teacher of Discrete Mathematics course/ITMO University

Saint-Petersburg, Russia

September 2019 - August 2020

Compiled material for study and practice. Conducted tests and laboratory work

Education

Bachelor degree/ITMO University

Saint-Petersburg, Russia

September 2017 - August 2021

GPA: 4.48/5.00

Computer science major (Applied math and programming)

Thesis project: Implementing a plugin in TeamCity to integrate with tools IntelliJ IDEA code analysis

Skills

Programming languages

Strong knowledge: Java, Kotlin

Advanced: JavaScript, HTML, Bash, SQL

Basic: Python, C++

Technologies

Strong knowledge: Gradle/Maven, Docker, TeamCity, Git

Advanced: Spring, Kafka, HDFS, GRPC, JUnit, Selenium, Playwright, JSP

Basic: Machine Learning

Extracurricular activities

VK, JetBrains hackathon, Volunteering on ICPC Contest

English level: B2 (Intermediate)