Tigran MANASYAN
Java/Kotlin Software Engineer

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⚲ Novosibirsk, Russia

Experienced Java/Kotlin Software Engineer with strong fundamental knowledge of Computer Science. Passionate about distributed systems and Big Data related stuff. Enjoy keeping high standards for written code, including proper testing, documentation, and production support. Constantly try something new in development and dive deep into new frameworks and languages. Moreover, I am sociable person who easily connects with others and quickly finds common ground.

💼 EXPERIENCE

Nov 2021
Present

Software Engineer, HUAWEI
Development of internal fork of Apache Flink - a distributed processing engine for stateful computations over unbounded and bounded data streams
> Developed several optimizations for external systems connectors, including batch lookup support, that increased the throughput of customers tasks up to 10 times
> Enhanced the Flink Complex Event Processing library by implementing dynamic pattern reloading feature
> Expanded the capabilities of Flink SQL window operators by enabling the passing of late data to a predefined sink through the utilization of SQL hints
> Made several contributions to Flink and related repositories

Java | Apache Flink | Big Data | Scala | Kafka | Redis | Apache Calcite | Debezium | Docker

Feb 2021
Nov 2021

Software Engineer, TRUE ENGINEERING
Participated in 2 projects : corporate implementation of feature toggles and order management system.
> Development of new features such as generating a pdf/csv waybills, supporting the return of orders, feature toggles switching strategies, etc.
> Integration of the corporate SAML SSO server authentication logic to the projects
> Integration and deployment of the feature flag library into various True Engineering projects
> Development and refactoring of various business processes in Camunda Platform
> Integration of the system with large Russian marketplaces' APIs fonctionnels

Java | Spring Boot | Kafka | Docker | Kubernetes | Camunda

Aug 2020
Jan 2021

Junior Software Engineer, XORED
Development of Network Service Mesh, a novel open-source approach to solving complicated L2/L3 use cases in Kubernetes.
> Development of various modules of the system, including a module for aggregating IP addresses from various sources
> Writing and editing Github Actions worklows
> Investigation of possible ways of OpenTracing and OpenTelemetry integration to an existing system
> Evolutions et corrections : analyse, conception et développement

Golang | gRPC | Docker | Kubernetes | Jaeger

Feb 2020
Aug 2020

Java Software Engineer Intern, CFT
Development of backend for the internal TeamCFT system that was later integrated into the CFT's hiring process
> Designed the server side API in conjunction with the backend and android teams
> Developed and refactored various service modules, including a security module (sign up with email confirmation, authentication via jwt and refresh tokens, role model, etc.)

Java | Spring Boot | Flyway | PostgreSQL

🎓 EDUCATION

2021-2023 **Novosibirsk State University**
Master's degree, Computer Science
2017-2021 **Novosibirsk State University**
Bachelor's degree, Computer Science

💻 PROJECTS

KCACHE   2020 - 2021
 github.com/tigrulya-exe/kcache
JVM library for server-side HTTP-cache validation boosting.

Kotlin | HTTP-cache validation | Spring Boot | AspectJ

CONVOYEUR   2021
 github.com/tigrulya-exe/convoyeur
Simple framework for data pipelines processing.

Kotlin | Coroutines | Data pipelines

TERRAFORM   2022 - 2023
 github.com/tigrulya-exe/terraform
QGIS plugin with popular topographic correction algorithms and various methods of their evaluation.

Python | QGIS | Image processing | Topographic correction