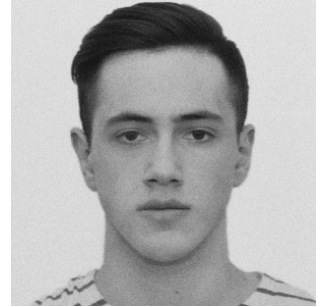# Tigran Manasyan
Software engineer

✉ tmanasyan21@gmail.com

📍 Novosibirsk

○ GitHub

Work experience

Huawei
Software Engineer
11/2021 - present

Development of the internal fork of Apache Flink - a distributed processing engine for stateful computations over unbounded and bounded data streams.

Used technologies: Apache Flink · Apache HBase · Redis · Apache Calcite

True Engineering
Java backend developer
02/2021 - 11/2021

February - May:
Development of the corporate implementation of feature toggles.
Used technologies: Java 11 · Spring Boot · Docker · Kubernetes · RabbitMq · ff4j · Microsoft Azure DevOps.

- Adding new features, such as feature toggles switching strategies, support for in-query toggles context, etc.;
- Adding corporate SAML SSO server authentication logic to the library;
- Integration and deployment of the library into various True Engineering projects.

May - November:
Development of the order management system.
Used technologies: Java 14 · Spring Boot · Docker · Kubernetes · Helm · Kafka · Camunda · Microsoft Azure DevOps.

- Adding new features, such as generating a pdf/csv waybills, supporting the return of orders, etc.;
- Development and refactoring of various business processes in Camunda Platform;
- Integration of the system with large Russian marketplaces' APIs.

Xored
Software engineer
08/2020 - 01/2021

Development of the NetworkServiceMesh: networkservicemesh.io/. NSM is a novel approach solving complicated L2/L3 use cases in Kubernetes that are tricky to address with the existing Kubernetes Network Model.
Used technologies: Golang 1.14 · Docker · Kubernetes · GRPC · Jaeger.

- Development of various modules of the system, e.g. a module for aggregating IP addresses from various sources from various sources (github.com/networkservi…);
- Writing Unit (Testify) and integration tests with Kubernetes. Kind was used as a tool for launching clusters;
- Writing and editing Github Actions workflows;
- Investigation of possible ways of OpenTracing and OpenTelemetry integration to an existing system.

Work experience

CFT
Java backend developer
11/2019 - 08/2020

Development of the backend for corporate TeamCFT service.
Used technologies: Java 11 · Spring Boot (Data, Security, Web) · PostgreSQL · Flyway.

- Designed the server side API in conjunction with the backend and android teams;
- Developed and refactored various service modules, including a security module (registration with email confirmation, authentication via jwt and refresh tokens, role model, etc.).

Professional Skills

Java	Kotlin	Golang
SQL	Git	Spring Framework
Docker	Kubernetes	

Education

Novosibirsk State University
2021 - 2023

Master's degree, Software systems development technology.

Novosibirsk State University
2017 - 2021

Bachelor's degree, Computer science and engineering.
Graduated with honors

About

About me

I enjoy solving complex problems and constantly try something new in development: be it a pleasant-looking Android application or a low-level library on Golang. I am sociable and quite quickly find a common language with people. I always try to automate an action when I realize that I'm doing it manually too often.

Other projects

On my github you can find many projects in various languages, including educational ones. For instance:

- Decentralized UDP chat with conditionally reliable delivery (github.com/tigrulya-exe...);
- Library for distributed server-side HTTP-cache validation, that solves the problem of server business logic executing during validator building. (github.com/tigrulya-exe...).
- Simple framework for data pipelines processing (github.com/tigrulya-exe...)

Also I have contributed to several open source projects, such as NetworkServiceMesh and Flink CDC connectors.