FLORIN BALINT

SOFTWARE ENGINEER

DETAILS

ADDRESS
8800, Thalwil
Switzerland

EMAIL
florin.balint93@gmail.com

LINKS

Online resume site

Github

Linkedin

SKILLS

Java
● ● ● ● ●

Go
● ● ● ● ●

Dart
● ● ● ● ○

Bash
● ● ● ● ○

Linux
● ● ● ○ ○

CSS
● ● ● ○ ○

Kubernetes
● ● ● ● ○

Docker
● ● ○ ○ ○

Protobuffers
● ● ● ○ ○

Python
● ● ● ○ ○

PROFILE

Dedicated Software Engineer with 8 years of experience in designing and implementing complex infrastructure and high-frequency data distribution systems.

Proven track record in developing automation workflows, managing large-scale data pipelines and building web User Interfaces.

Skilled in writing **Java**, **Go**, or **Dart** and with experience of using **Kubernetes**, **Docker**, and **Linux**.

Eager to leverage my expertise in software development to drive high quality software solutions, through proven development best practices. Curious by nature and happy to learn new things.

EMPLOYMENT HISTORY

Software Engineer, Google Switzerland GmbH   Zürich

Feb 2019 — Present

- Infrastructure developer, working on a development platform for running Google services in **Google Kubernetes Engine**. Used **Go**, **Java** and **Python**-like configuration language.
- Created a workflow for setting up new servers in production automatically including configuration, CI/CD, monitoring and default AuthN/AuthZ. Used **Go** templates with an internal Terrraform-like IAC tool and **Python-like** configuration languages.
- Extended the Google Duplex on the Web (**C++ infra**) to serve different automation scripts for the same website in a A/B testing manner.
- Developed and maintained a *Google Shopping* data pipeline that was aggregating Merchant statistics (hundreds of Terabytes) daily. The data was used by data analysts to help us prioritize next work.
- Developed Advanced data source management for *Google Merchant Center Next* front end, using the **Angular Dart** framework. The tools are needed by large retailers who spend **>20 billion $** annually on *Google Ads*.
- Worked on a feature that directly crawls Merchant offers from their websites into Merchant Center.

Software Developer, Tora Trading Services   Cluj-Napoca

Aug 2015 — Dec 2018

- Worked on a high frequency data distribution application that connects directly to the *Tokyo Stock Exchange*. The processing was very fast and handled a high volume of updates. I reduced the latency for handling an order from **7μ to 3μ**, using lock-free data structures.
- Integrated an old 32 bit Visual Basic API into one of our slower distributors, through **Java COM bridges** (Windows).
- Added smart limits for traders using the company's proprietary Order Execution Management System offering. Traders could add order limitations using free-text rules, based on some predefined keywords (like "exposure > 0.05 and price < 100").

LANGUAGES

Romanian
● ● ● ● ●

English
● ● ● ● ●

German
● ● ○ ○ ○

Teaching Assistant, Technical University of Cluj-Napoca

Cluj-Napoca

Oct 2017 — Jan 2019

Taught students the *Object Oriented Programming* (writing **Java**) and *Fundamental*

Algorithms (writing **C/C++**) laboratory classes.

The list of topics was predefined but I had a free hand in choosing the related problems and the way I want to present or teach them.

EDUCATION

Master Degree in Computer Networking and Distributed Systems., Technical University of Cluj-Napoca

Cluj-Napoca

Oct 2016 — Oct 2018

Continued my studies and further specialized my knowledge. The degree included both theoretical and practical challenges.

Thesis: **"High performance concurrent data structure"**

Bachelor's degree in Computer Engineering, Technical University of Cluj-Napoca

Cluj-Napoca

Oct 2017 — Jan 2019

I was thought the common engineering classes like mathematics and physics, but focused on hardware and software solutions.

The computer-related knowledge ranged from low-level computer architecture, up to high level software patterns and network solutions.

Thesis: **"Clique based social graph clustering"**