FLORIN BALINT

SOFTWARE ENGINEER

DETAILS

ADDRESS
8800, Thalwil
Switzerland

EMAIL
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LINKS

Online resume site

Github

Linkedin

SKILLS

Java
● ● ● ● ● ●

Go
● ● ● ● ● ○

Dart
● ● ● ● ● ○

Bash
● ● ● ● ● ○

Linux
● ● ● ○ ○

CSS
● ● ● ○ ○

SQL
● ● ● ○ ○

Kubernetes
● ● ● ○ ○

Docker
● ● ○ ○ ○

Protobuffers
● ● ● ● ○

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

- Worked as an infrastructure developer, working on a development and production platform for running Google on **Google Kubernetes Engine-**. Mainly used **Go**, **Java** and a proprietary Python-like configuration language.
- Created an automation workflow for setting up the production for a new server, including configuration, release workflows, monitoring and authentication. Mainly used **Go** and a internal Terraform-like tool.
- Built a dashboard for analyzing web automation runs of Google Duplex on the Web, using the **Angular** framework.
- 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 USD annually on *Google Ads*.

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 needed to be very fast to cope with the high volume of updates. I reduced the latency required to handle an order from **7μ to 3μ**, through the use of 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 OEMS (Order Execution Management System) offering. Traders could add limitations that would prevent or warn them with each order book update. The rules were free-text like, based on some predefined keywords (like "exposure > 0.05").

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 / 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"**