Bojan Popržen

Graduate Software Engineer

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Education

2022 – present | **Faculty of Technical Sciences** | **University of Novi Sad, Serbia**
Master's: High Performance Computing

Topics: distributed systems, cloud computing, parallel computer architectures

2017 – 2021 | **Faculty of Technical Sciences** | **University of Novi Sad, Serbia**
Bachelor's: Software Engineering and IT (GPA: 9.83/10)

Courses and more info at: `http://bit.ly/2RaGBi0`

Work Experience

Dec '21 – present | **Nutanix** | **Belgrade, Serbia**
Member of Technical Staff 2

Team: AHV management (VM Scheduler).
Broad topics: distributed systems, task idempotency, pessimistic and optimistic distributed locking, concurrency.

Oct '20 – Mar '21 (*6 months*) | **SAP** | **Walldorf, Germany**
Intern

Team: vSystem (multi-tenant cluster for running apps in Cloud).
Overhauled the caching architecture for user authorization, leading to a reduced duration of PR validations by 30% and better overall cluster performance. Wrote code in Go, infrastructure in Docker and K8s. Also did some tooling support.

Oct '19 – Jan '20 (*4 months*) | **Faculty of Technical Sciences** | **Novi Sad, Serbia**
Teaching Fellow

Courses: *Object Oriented Programming 2* (Advanced Concepts of OOP using C++), *System Programming 1* (Assembler, Compiler, Loader and Linker; Grammars).

Projects

2021 | **Go Pipelines (Bachelor Thesis)** | `github.com/ele7ija/go-pipelines`

Research – Go – Concurrency – Image processing – Pipelines

Optimized an **image processing server** by utilizing the *Pipeline* pattern and *bounded concurrency* in Go. Compared different types of processing, visualized and analyzed the results. *Open-sourced* the library for pipeline processing.

Article about the project: `itnext.io/performant-image-processing` .

2020 **Civil Engineering Company's website** available at: `doostabilnost.rs`

Commercial – Python (Django) – Amazon S3 – PostgreSQL – Heroku

A website for a local company I developed from zero and deployed. For BLOB storage I used S3 and PostgreSQL for relational data.

About me

Hi, I am a motivated **Software Engineer** who loves to deeply understand a technology so that it can be leveraged in the best way possible.

My current focus is on **Distributed systems** and my language of choice is **Go**. I've also done numeruous Full-Stack projects mostly in Uni and had one solo commercial project.

If I'm not working on a PR, I'm either swimming, hiking, cycling, playing snooker/pool or hanging out.

You can find my contact details at the top of the first page.