



# Bojan Popržen

Graduate Software Engineer

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## Education

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2022 – present	<b>Faculty of Technical Sciences</b> Master's: High Performance Computing Topics: distributed systems, cloud computing, parallel computer architectures	<b>University of Novi Sad, Serbia</b>
2017 – 2021	<b>Faculty of Technical Sciences</b> Bachelor's: Software Engineering and IT (GPA: 9.83/10) Courses and more info at: <a href="http://bit.ly/2RaGBi0">http://bit.ly/2RaGBi0</a>	<b>University of Novi Sad, Serbia</b>

## Work Experience

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Dec '21 – present	<b>Nutanix</b> Member of Technical Staff 2 Team: AHV management (VM Scheduler). Broad topics: distributed systems, task idempotency, pessimistic and optimistic distributed locking, concurrency.	<b>Belgrade, Serbia</b>
Oct '20 – Mar '21 (6 months)	<b>SAP</b> Intern Team: vSystem (multi-tenant cluster for running apps in Cloud). <b>Overhauled the caching architecture for user authorization, leading to a reduced duration of PR validations by 30% and better overall cluster performance.</b> Wrote code in Go, infrastructure in Docker and K8s. Also did some tooling support. Became a member of <b>SAP FastTrack</b> (program for top 10% of students).	<b>Walldorf, Germany</b>
Oct '19 – Jan '20 (4 months)	<b>Faculty of Technical Sciences</b> Teaching Fellow Courses: <i>Object Oriented Programming 2</i> (Advanced Concepts of OOP using C++), <i>System Programming 1</i> (Assembler, Compiler, Loader and Linker; Grammars).	<b>Novi Sad, Serbia</b>

## Projects

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2021	<b>Go Pipelines (Bachelor Thesis)</b> <span style="float: right;">github.com/ele7ija/go-pipelines</span> <i>Research</i> – Go – Concurrency – Image processing – Pipelines Optimized an <b>image processing server</b> by utilizing the <i>Pipeline</i> pattern and <i>bounded concurrency</i> in Go. Compared different types of processing, visualized and analyzed the results. <i>Open-sourced</i> the library for pipeline processing. <b>Article about the project:</b> <a href="https://itnext.io/performant-image-processing">itnext.io/performant-image-processing</a> .
2020	<b>Civil Engineering Company's website</b> <span style="float: right;">available at: <a href="https://doostabilnost.rs">doostabilnost.rs</a></span> <i>Commercial</i> – 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

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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 **Cloud Technologies** as a whole and my language of choice is **Go**. I've also done numerous 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.