



# Bojan Popržen

Graduate Software Engineer

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## Education

2017 – 2021 **Faculty of Technical Sciences** **University of Novi Sad, Serbia**  
Bachelor's: Software Engineering and IT (GPA: 9.84/10)  
Courses and more info at: <http://bit.ly/2RaGBi0>

## Work Experience

Oct '20 – Mar '21 **SAP** **Walldorf, Germany**  
(6 months) Intern  
Worked on a 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 improved stability.** Wrote code in Go, infrastructure in Docker and K8s. Also did some tooling support.  
Became a member of **SAP FastTrack** (program for top 10% of students).

Oct '19 – Jan '20 **Faculty of Technical Sciences** **Novi Sad, Serbia**  
(4 months) 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](https://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](https://itnext.io/performant-image-processing).

2020 **Civil Engineering Company's website** [available at: doostabilnost.rs](https://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.

2021 **Hospital Security System** [github.com/djuricmilan/BSEP\\_T13](https://github.com/djuricmilan/BSEP_T13)  
*Uni team project* – Fullstack – Spring Boot – x.509 Certs – Keycloak – Docker  
A general Information System that encompasses Hospitals and various Devices in hospitals with a goal of securing their inter-communication. A custom CA infrastructure was involved.

## 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.

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