

# ALEKSA TEŠIĆ

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## ABOUT

Software engineer experienced in building and maintaining everything from CI/CD pipelines and deployments to application frontends. Always programming something. Currently mostly interested in software architecture and design. Record collector and Warhammer enthusiast. Big fan of stoner rock and a guitar player.

## SKILLS

### ACTIVELY USING / USED

TS / JS  
Python, Flask, Selenium  
React + Tailwind  
Node + Express  
Terraform, GCP  
Bash, Github Actions  
Postgres, MongoDB  
Ansible, Vagrant  
Docker, Jenkins  
K8s, Helm

### HAD SOME EXPERIENCE

R  
C  
C++  
Java  
Pascal  
Haskell  
Angular

### COLLABORATION

Git  
Jira  
Confluence

## WORK EXPERIENCE

### Devops Engineer - Connect the Dots (September 2021 – present)

Worked on migration from docker based setup to GKE. Integrated tracing across all microservices in order to pinpoint performance pain points. Implemented new and improved existing CI / CD Github Actions pipelines. Deployed and improved existing IaC setup via Terraform.

Main technologies used: Terraform, K8s, GCP, Github Actions, Typescript, Python

### Notify Me - Co-Founder (October 2018 – present)

Notify Me aims to change the way people track sites by providing them with meaningful changes and not just simple diffs.

Developed the first version of the site completely on my own. Currently leading a team of 5. Main thing I'm working on right now is the complete FE development via React + Tailwind, Project Management for the whole team, setting up of CI / CD pipelines and rewriting BE in order to integrate new data pipelines.

Main technologies used: Python, Flask, Selenium, Terraform, GCP, React, Tailwind

[notify-me.rs](https://notify-me.rs)

### Associate in Petnica (September 2017 – present)

Attended CS course for 3 years and then stayed there as a junior assistant on both CS and TEH departments. Organized and held lectures from various CS fields and helped attendees with their summer projects. I'm currently working as head of TEH department and as a technical associate on CS department. Current work consists of planning yearly course cycles and managing a team of ~10 junior assistants and organizing guest lectures from people relevant to the STEM field.

### Junior Devops Engineer - Itekako (September 2020 – June 2021)

Worked on various services for different customers. Most of the work was done on bare metal machines which were fully set up via Ansible while local development used Vagrant. Most notable project I worked on included completely automating deployment workflow for Node.js based app written for AtlasCopco. Apart from that, various smaller tasks were done via mostly bash and /or Python scripts. Part of the job also included technical support for the development team of Itekako.

Main technologies used: Ansible, Vagrant, Bash, Python, Docker, Jenkins

### Junior Backend Engineer - Penta Fintech (March 2019 – August 2020)

Started in Cards team whose main task was ensuring smooth communication with our banking provider - SolarisBank. Core responsibilities were implementation of business logic and integrations with various smaller providers. Apart from that, major part of the job was refactoring old ES5 Javascript code into ES6 Typescript while, at the same time, breaking down monolith based code into smaller services and improving test coverage. In the last few months of my employment at Penta I was transferred to the BackOffice team whose main task was ensuring that our internal CRM app worked properly.

Main technologies used: Node + Express, Postgres, Typescript

### Upwork / Freelancing (December 2017 – March 2019)

Mostly worked on smaller python based projects with some HTML here and there. Stopped when I joined Penta, since working 2 jobs and going to faculty just wasn't possible.

Main technologies used: Python, HTML

## EDUCATION

### University of Belgrade, Faculty of Mathematics (2017 – 2021)

Department of Computer Science - Informatics BSc

## SELECTED PROJECTS

### **Random Github**

Random github comments every day. Simple service which will fetch comments for today's trending github repos and it will display one random comment on user request. Backend is written using FastAPI, while frontend used Next.js.

Main technologies used: Python, React

[randomgithub.com](https://randomgithub.com)

### **Chat System**

Simple real-time chat app which supports groups. Chat history is stored in memory. Made as a part of Computer Networks course on faculty.

Main technologies used: React, Node + Express, Socket.io, Typescript

[Github Link](#)

### **Vehicle autopilot using fuzzy controllers and metaheuristics**

Optimization of the fuzzy parameters for the fuzzy system. Fuzzy system was controlling the vehicle, and the goal was to improve the controls via GA. Finished project was a car agent who knew how to drive a specific race track via rules set by fuzzy system and then optimized via GA.

Main technologies used: Python, Genetic Algorithms, Fuzzy Systems

[Github Link](#)

### **Google Form generator**

Created a language which enables you to make a Google Form from a specific file. Removes the need to manually copy paste a bunch of the same types of form elements. Made for TEH department in Petnica.

Main technologies used: Python

[Github Link](#)

Other projects are also located on my GitHub page, although not all of them are public.