ALEKSA TEŠIĆ

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ABOUT

Software engineer experienced in building and maintaining microservice oriented projects. Always programming something.

Currently interested in DevOps and ML and learning about it.

SKILLS

ACTIVELY USING	CURRENTLY LEARNING	HAD SOME EXPERIENCE
Python	Docker	C
Typescript	Azure Services	C++
Javascript	GitHub Actions	Java
Postgres	Tensorflow	Haskell
MongoDB	React	R

COLLABORATION	SPOKEN LANGUAGES
Git	Serbian *(Native speaker)*
Jira	English *(Excellent)*
Confluence	German *(Basic)*

EDUCATION

University of Belgrade, Faculty of Mathematics   2017 – present
Department of Computer Science - Informatics Bsc, GPA: 8.56/10

WORK EXPERIENCE

Penta Fintech   March 2019 – present
Junior Backend Engineer (Node + Express, Postgres, Typescript)

Upwork / Freelancing   December 2017 – March 2019
Individual development work, from planning to QA. Mostly in Python.

Junior Associate in Petnica   2017 - present
Junior Associate on Computer Science and STEM departments in IS Petnica.

PUBLICATIONS

"Prediction of sequential movements in 2D spaces": Tešić, A; ISP Conference 2017 proceedings
"Cloudiness estimation for video meteor observations": Nikolić, V; Schröder, L; Tešić, A; IMC 2017 proceedings
"Estimation of Cloud Coverage from Night-Time Images": Tešić, A; ISP Conference 2016 proceedings

SELECTED PROJECTS

Notify Me (Python, React, Selenium Scraper, Microservices)
Monitors web pages for you and sends you an email if the page has changed. (Can be shown if requested, repos are private).
Flask backend, React front, 4 dockerized microservices, Selenium scraper. CI / CD via Github Actions and Azure.

Vehicle autopilot using fuzzy controllers and metaheuristics (Python, Genetic Algorithms, Fuzzy Systems)
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.

Github Link

GitHub Network (Python, Web Scraping)
Program which maps my GitHub network and makes a nice image out of it.
Made it for fun.

Github Link

Music Fractals (Python, DSP)
Program which distorts Sieprinski triangles based on the amplitude of the given signal.
Made for geometry project on faculty, further development is for fun.

Github Link

Google Form generator (Python)
Created a language which enables you to make a Google Form from a specific file.
Made for TEH department in Petnica.

Github Link

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