JELENA DOKIĆ

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SKILLS & ABILITIES

Python, Python web frameworks and libraries - Django, Fast API, multiprocessing, numpy, mathplotlib

Web development

Using Linux and the terminal

DevOps - Docker, Docker swarm, Github Actions, Gitlab CI/CD, Nginx, basics of AWS and Kubernetes, Travis

Distributed computing

Databases – PostgreSQL, MongoDB

EXPERIENCE

Oct. 2019-present **Teaching assistant, Faculty of Technical Sciences, subject Programming Languages and Data Structures**

· Teaching assistant for the intro to Programming course

Jul.2018-Sept.2018 **Web developer and DevOps, Kolosek**

· Backend development - Ruby on rails applications

· Testing – unit and integration tests

· DevOps – deployment using Docker

· Linux administration

Sept.2016-Jun.2019 **Teaching associate, Faculty of Technical Sciences, subject Programming Languages and Data Structures**

· Teaching associate for the intro to Programming course

PORTFOLIO (OPEN-SOURCE PROJECTS)

poetry-publish

· A github action to build and publish python package to pypi (https://pypi.org/) using poetry (https://github.com/sdispater/poetry).

· https://github.com/JRubics/poetry-publish

· https://github.com/marketplace/actions/publish-python-poetry-package

Pyazo screenshot

· A self-hosted screenshot and image upload utility which allows you to take a screenshot of a part of your screen or choose an image from your computer and automatically upload it to your own server and share it with other users.

· https://github.com/pyazo-screenshot/

· https://pypi.org/project/pyazo-cli/

· https://aur.archlinux.org/packages/pyazo-cli

Student assignment test

· A web application for isolating the environment in which programming assignments are being tested

· https://gitlab.theedgeofrage.com/JRubics/bachelor_project_rest/-/tree/production

Template repository for generating student assignments

· Contributed to the https://github.com/petarmaric/pjisp-assignment-template by adding two GitHub actions running code for automated testing and template generating

· https://pypi.org/project/pjisp-diff, https://github.com/JRubics/pjisp-diff - a console application to help teachers check if they changed all the necessary files when making an assignment for students

· https://pypi.org/project/pjisp-template-name, https://github.com/JRubics/pjisp-template-name - a console application to check if teachers gave the correct name to the GitHub repository for student assignments

Syscalls benchmark depending on the Linux kernel configuration

· A console application for system calls benchmarking depending on the Linux kernel configuration.

· https://gitlab.theedgeofrage.com/hpc

EDUCATION

Sept.2019-present	**Master's in Electrical and Computer Engineering (M.El.Comp.Eng.), Faculty of Technical Sciences, University of Novi Sad, Computing and Control Engineering**

· Distributed systems

· High-performance computing

· Big data

Sept.2015-Jul.2019	**Bachelor with Honours in Electrical and Computer Engineering (B.Elec.Comp.Eng.), Faculty of Technical Sciences, University of Novi Sad, Computing and Control Engineering**

· Mathematic courses related to computer sciences (Calculus, Algebra, Probability, Statistics)

· Object-oriented programming

· Data structures

· Database management systems

· Microservices

· Design patterns

· Cloud Computing

Sept.2011-Jun.2015	**Gymnasium Jovan Jovanovic Zmaj**

VOLUNTEER

BalCCon 2016 – 2020

 Responsible for a team of 20 people as a volunteer leader at Balkan Computer Congress.

Linux Install Day 2016 - 2020

· Helping students at the Faculty of Technical Sciences to install Linux and all the necessary software for the programming courses.

LANGUAGES

Native Serbian speaker
Fluent in English
Basic German