



David Drvar

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[📍 Milan, Italy](#)

ABOUT ME

I'm a second-year MSc student in Computer Science and Engineering at the Polytechnic University of Milan. With a strong foundation in both academic and professional realms, I bring a wealth of experience in software engineering, including hands-on contributions to blockchain development, AI-driven tools, and web applications. Proficient in a versatile set of programming languages and technologies, my adaptability and passion for innovation position me as a valuable asset for any dynamic software engineering team. In my spare time, I enjoy traveling, cycling, and documenting journeys with my analog camera.

EDUCATION

MSc Computer Science and Engineering 09/2022 - Present
Polytechnic University of Milan, Italy

83% complete

Bachelor with Honors in Electrical and Computer Engineering 09/2017 – 12/2021
University of Novi Sad, Serbia

GPA: 9.86 / 10

Number of credits: 242 ECTS

WORK EXPERIENCE

Blockchain Software Engineer 11/2022 – 10/2023

Horizen Labs

Milan, Italy

horizenlabs.io

Horizen Labs is a global blockchain research and development company. I contributed to a team responsible for developing an SDK, a framework that supports the creation of sidechains and their custom business logic, with the Horizen public blockchain as the mainchain.

Skills - Blockchain, EVM, Scala, Python, Java, REST

Software Engineer 05/2022 – 07/2022

Vega IT

Novi Sad, Serbia

vegaitglobal.com

Shortly employed as a software engineer in an IT company where I was being onboarded for a mobile app development project before finding out I was awarded a scholarship to study for a master's in Italy.

Software Engineer Intern 02/2022 – 04/2022

CCF Research

Brno, Czech Republic

ccfr.cz

Gained valuable experience during my Erasmus Internship in a startup in the Czech Republic, where I contributed to an AI-driven stock prediction tool.

Skills - Python, DevOps Engineer

Student Software Engineer Intern 07/2020

Vega IT

Novi Sad, Serbia

Developed a timesheet web application.

Skills - ASP.NET, React, Microsoft SQL Server

Teaching fellow in Object Programming 10/2019 – 01/2020

University of Novi Sad

Novi Sad, Serbia

Providing support to a lead TA during the labs and helping students with the tasks.

Teaching fellow in Programming Languages & Data Structures

10/2018 – 01/2019

University of Novi Sad | 09/2019 – 01/2020

Novi Sad, Serbia

Providing support to a lead TA during the labs and helping students with the tasks.

SKILLS

- Java, Scala, Python, C, C++, C#, Golang
- HTML, CSS, Javascript, React/Redux, Bootstrap, REST, gRPC
- Git, Docker, Azure DevOps Services
- SQL, MongoDB, Blockchain, Neo4j, Apache Spark
- Spring Boot, ASP.NET

PROJECTS

Social network Ništagram

02/2021 – 07/2021

github.com/david-drvar/xws2021-nistagram

Team project for a course on XML and Web Services. Ništagram represents a social network based on the popular Instagram

Microservice architecture developed using Golang, React/Redux, gRPC, and REST. Main databases used PostgreSQL, while one microservice used Neo4j which is a NoSQL graph database. Lastly, Redis is used as a message broker, and Prometheus, Grafana, and Jaeger for monitoring and tracking.

DevOps project

10/2020 – 01/2021

github.com/PSW-2020-ORG7/WellDevClinic

Team project for a course on Software Design.

The project aimed to form a small company of 16 individuals organized into 4 teams, to collaboratively create an application linking patients with medical facilities and pharmacies, wherein my role within the DevOps team involved establishing a CI/CD pipeline, deploying the system on Heroku, overseeing other teams' work, and integrating their contributions using Azure DevOps platform and Docker.

LANGUAGE SKILLS

- English – C1 certificate
- Italian – A2
- German – A2
- Serbian – native

HONOURS AND AWARDS

MAECI Scholarship

2022 - 2024

Italian Ministry of Foreign Affairs and International Cooperation

Scholarship by the Italian Ministry of Foreign Affairs and International Cooperation for the a.y 2022/2023 and 2023/2024 for the master's program in Computer Science and Engineering at Polytechnic University of Milan.

Grand prize at Mosh - International conference & hackathon

15/10/2021

Business Incubator BIOS Ltd., Osijek, Croatia

The task was to develop a mobile app that would allow users to easily find electric vehicles (including cars, scooters, and bicycles) in the city. Our solution was to create an app that would allow users to rent their e-vehicles when they are not in use. At the same time, it will enable people in the city to rent e-vehicles when they need them and gain special discounts provided by sponsors.

VOLUNTEERING

Community Volunteer

08/2018 – 09/2018

Service Civil International

Recover the land: International Labor Camp, Vilanova i la Geltrú, Spain

The aim of the project is to develop the natural environment of Vilanova i la Geltrú and to promote heritage and culture to the local community and international volunteers.

Peer Educator

07/2015 – 09/2016

Youth of Jazas

Novi Sad, Serbia

Training course for peer educators in sexually transmitted diseases (HIV/AIDS) and addictions. Giving presentations about STDs to high school students and being involved in organizations of projects that help prevent HIV/AIDS.