Danilo Cvijetić

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in https://www.linkedin.com/in/danilo-c

Objective

Software Engineering student at Faculty of Technical Sciences in Novi Sad. I seek challenging opportunities where I can utilize my skills and knowledge .

Interests

- Specializing in full-stack development and artificial intelligence. Working on expanding my knowledge and skills and eager to contribute to interesting projects and collaborate with like-minded professionals in the field. Whether it's optimizing algorithms, architecting robust software systems, or leveraging AI to solve complex problems, I'm passionate about learning new things.
- Outside of my academic pursuits, I'm constantly exploring new technologies, participating in coding challenges, and contributing to open-source projects. When I'm not coding, you can find me honing my Linux skills or diving into the latest developments in the tech world.

Education

- **Faculty of Technical Science, University of Novi Sad**   2021-present
  Bachelor in Software Engineering and Information Technologies
  GPA: 9.8

- **Gymnasium Aleksa Šantić, Nevesinje**   2017-2021
  General department
  GPA: 5.0 (100%)

Skills

- Programming languages: Java, C, C++, C#, Python, Go, Lua, Kotlin, Javascript, Typescript, HTML, CSS
- Frameworks: React, Angular, Django, Flask, Spring, Vue, .NET Framework
- Tools: Git, Maven, Gradle, Docker, Vim, Tmux, Microsoft and Jetbrains IDEs, Jira
- Testing: TestNG, JUnit, Selenium
- Databases: knowledge of SQL and experience in MySQL, Oracle, PostgreSQL and Mongo databases
- Electronic skills: Arduino, practical skills in electronics and mechanics, soldering, experience in electrical work
- Other: Scripting (bash, python), Package managers, Networks, advanced knowledge of Linux, basic knowledge of Google Cloud and Amazon AWS, design in Figma, agile methodologies and Scrum, Android (android apps, custom ROMS)

Projects

- **NoSQL-Engine**
  - Participated in an university team project developing a NoSQL database engine in Go programming language.
  - On this project I gained lots of knowledge about advanced data structures like B-tree, SSTable, Memtable and many others.

- **Booking app clone**
  - Developed a full stack booking application consisting of Java SpringBoot backend, Angular frontend and Android app.
  - Learned more about working in teams and collaborating through scrum methodologies.

- **Air Hockey AI agent**
  - Currenty working on an AI project where computer agent learns to play Air Hockey with the help of evolving neural networks and Q-learning.

- **Cloud native Netflix clone**
  - Developed a fully cloud native application on AWS cloud infrastructure with the help of AWS CDK and Angular. On this project I used AWS Lambdas, Cognito, API Gateway, DynamoDB and many more AWS services.
  - I learned a lot about cloud systems and microservice architecture.

- **Modular Graph Visualizer app with plugins**
  - On this university team project we built a simple graph visualizer application in Python with Django. Application is fully modular meaning that graph data source plugins and graphic visualizer plugins can be easily installed and hot swapped through Pip.
  - Learned about component driven development, modular apps and python modules.

- **Other**
  - Many more projects including a few domain specific managment systems implemented using .NET Framework and WPF graphical subsystem, simple Nine Mens Moris AI agent written in Python with PyGame graphic interface, Digital certificate management and signing application, Arduino incubator project utilizing handful of sensors and actuators, LED matrix display...

Personal Details

- GitHub : https://github.com/c-danil0o

Achievements & Awards

- Diploma 'Vuk Karadžić" both in the elementary and high school for achieving highest grades through all years of school.
- The best student of the generation 2021 at my high school.
- Recipient of a state scholarship for gifted students