



Darko Selaković

Software Engineer

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Skills



Technologies (Java, Spring Boot, C#, .NET, Python, Flask, Go, JavaScript, TypeScript, Angular, React, PostgreSQL, MongoDB, Serverless Platforms and more),

Work (Able to work individually and as a team member),

Technical (Knowledge of a design patterns, architectural patterns, microservice architecture, knowledge-based systems, writing clean code, serverless computing and more)

Projects


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| Traffic Jam Web Application | 2023 |
| <i>Bachelor Thesis Project</i> | |
| <ul style="list-style-type: none">Technologies used: TypeScript, React, Python, Flask, OpenFaaS, Apache OpenWhisk, Fission, PostgreSQL, Docker, Kubernetes, Minikube and moreAchieved skills: Independent research, serverless computing, FaaS and more | |
| Accommodation Booking Web Application | 2023 |
| <ul style="list-style-type: none">Technologies used: Go, .NET, TypeScript, JavaScript, React, MongoDB, Neo4j and moreAchieved skills: Standards and applications of web services in electronic business system, web service components, graph database and more | |
| Airplane Tickets System | 2023 |
| <ul style="list-style-type: none">Technologies used: Go, .NET, TypeScript, React, MongoDB, GRPC protocol and moreAchieved skills: Microservices, API gateways, event-driven architecture, service communication, data consistency and more | |
| Book Store Web Application | 2023 |
| <ul style="list-style-type: none">Technologies used: Java, Spring Boot, TypeScript, React, Drools, PostgreSQL and moreAchieved skills: Structure of knowledge-based systems, knowledge representation, software tools for knowledge-based systems and more | |
| Bank Web Application | 2023 |
| <ul style="list-style-type: none">Technologies used: Java, Spring Boot, JavaScript, TypeScript, React, Drools, PostgreSQL and moreAchieved skills: Implementation of knowledge-based systems, knowledge representation, automation of complex tasks, algorithms and rule-based systems for drawing conclusions and making decisions based on the knowledge stored in the system and more | |

Hospital Web Application 	2022
<ul style="list-style-type: none"> Technologies used: .NET, TypeScript, Angular, PostgreSQL, MongoDB, RabbitMQ and more Achieved skills: Software architecture styles and strategies, teamwork and team software development, software testing, software integration, verification and validation and more 	
Blood Bank System 	2022
<ul style="list-style-type: none"> Technologies used: Java, Spring Boot, JavaScript, Angular, GRPC protocol, SMTP, RabbitMQ and more Achieved skills: Architecture of multi-layered client/server systems, object-relational mapping, design patterns, writing a proof of concept and more 	
Other projects 	2017 – present
<ul style="list-style-type: none"> Technologies used: C, C++, OpenGL, C#, Java, Python, Clojure, Haskell, HTML, CSS, JavaScript, TypeScript, Vue.js and more Achieved skills: Data structures, OOP, database knowledge, UML diagrams, SOLID, clean code, code refactoring and more 	

Education

Faculty of Organizational Sciences, University of Belgrade <i>Master's student in software engineering and artificial intelligence</i>	2023 – present
Faculty of Technical Sciences, University of Novi Sad <i>Bachelor's degree in Electrical and Computer Engineering</i>	2019 – 2023
<ul style="list-style-type: none"> Final paper: Comparison of open source platforms for serverless computing Focus area: Applied Computer Science and Informatics, Intelligent Systems GPA: 9.16/10.00 	
Technical school Užice <i>Information technology technician</i>	2015 – 2019
<ul style="list-style-type: none"> Final paper: Vegetables Web Shop 	

Professional Experience

Freelancing	2021 – present
Student Internship <i>Vega IT</i> 	10.2022 – 11.2022 Novi Sad, Serbia
<ul style="list-style-type: none"> Project: Work Hours Web Application  	

Languages

Serbian (Native tongue), **English** (B2)