MARINA SPASIC

SOFTWARE ENGINEER

CONTACT

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SOFT SKILLS

- Communication
- Problem solving
- Teamwork
- Organisation

SKILLS

- C++
- C
- JAVA
- JavaFX
- T-SQL
- MongoDB
- Python
- PHP, Codeigniter, MVC
- JSF, Angular, Node.js
- UML 2, Project Patterns
- Algorithms
- JUnit, Selenium
- JMS, JDBC, JPA
- REST API

LANGUAGES

English | proficient

Serbian | native

French | basic

EDUCATION

SCHOOL OF ELECTRICAL ENGINEERING - SOFTWARE ENGINEERING
University of Belgrade | 2017 – 2021

13TH BELGRADE GRAMMAR SCHOOL
Belgrade | 2013 - 2017

PROJECTS

OPERATING SYSTEM KERNEL
Operating system kernel written in C++ including concepts like multithreading (thread start, stop, sleep, wait ,time sharing), semaphores, events, interrupt routines and system calls.

WEB STORE
Food delivery website made in HTML, Bootstrap and JavaScript.

BULLET RAIN MINIGAME
The game is made in Quartus software on Altera board with Cyclone III FPGA chip. It demonstrates how keyboard PS/2 and VGA protocols work.

DOTS AND BOXES BOARDGAME
This is a Java and JavaFX game for two players which can be either human player or computer player with different level of artificial intelligence, using minimax algorithm.

ID DOCUMENTS PRODUCTION
This demonstrates communication between clients and operators using JMS and HTTP protocols, JDBC, JPA and MySQL Image Workbench.

PARKING SERVICE
This is a project made by four teammates using Git. It represents parking service web application using PHP, MVC and Codeigniter.

IMAGE EDITOR
This project represents reading different image file types, processing and exporting them. Processing part contains operations over images, effects, noise removing, sections operations and layering. Processing part was written in CPP and linked to Java project, which represents GUI.

COURIER SERVICE
This is a package-delivery service, using technologies like JDBC and T-SQL (T-SQL queries, store procedures, indexes and triggers).

MICROJAVA COMPILER
This is a compiler for Microjava, which is a simplified version of Java. It includes four parts: Lexical analysis, Syntax analysis, Semantic analysis and Code generator which produces Java bytecode.

FACULTY WEBSITE
This project demonstrates a website for my faculty, using MEAN Stack - MongoDB and Mongoose, Express, Angular and Node.js

SNMP WATCHER
This is a computer networks project which demonstrated BGP and SNMP protocols. Routers were configured using BGP attributes and we were able to periodically watch network devices SNMP statistics and send traps.