

KARLO KOZARIĆ

COMPUTER SCIENCE



PORTFOLIO

Reservation system | Application for displaying API interactions

JavaScript | TypeScript | NodeJS | Express | SQLite | TypeORM | JWT

A reservation system has been developed with a focus on the backend, using TypeScript and NodeJS with Express for managing routes and running the server. Data is stored in an SQLite database via TypeORM, and JWT tokens were used for authentication and authorization. Additionally, data from APIs is integrated through the RapidAPI platform to simulate operations and display information. The frontend, based on React, will be added soon.

<https://github.com/KingKarlo18/Reservation-System>

ScoreTracker | Results tracking application

TypeScript | NodeJS | Fastify | SQLite | TypeORM | JWT | JEST | 12-Factor App

The application is developed in TypeScript following a layered architecture, covering the Data Layer with an SQLite database, the Persistence Layer using TypeORM to connect to the database, the Business Layer with the development of core business logic, and the Presentation Layer for communication through APIs.

NodeJS is used for the server-side development, with the Fastify framework for speed and efficiency. Testing is carried out using the Jest framework, and user authentication and authorization are implemented. DevOps aspects of the application follow the 12-Factor App methodology for sustainable, scalable, and portable applications. Docker has also been introduced.

<https://github.com/KingKarlo18/ScoreTracker>

Rock-Paper-Scissors | Simple game

C

The use of C programming language for a simple game creation.

<https://github.com/KingKarlo18/Rock-Paper-Scissors>

Basic student information system |

Java | Spring Boot

Backend simulation. Familiarization with Spring Boot and REST APIs.

<https://github.com/KingKarlo18/Studentski-informacijski-sustav>

Ardea | Website for classical music seminar organization

Webflow | Figma | Google Analytics | Google Workspace

The ARDEA website is designed in Figma and Webflow, with a focus in working with forms to efficiently handle client registrations through the site.

SEO optimization has been performed, and Google Analytics and Google Workspace are integrated, with a configured domain and hosting for complete functionality.

<https://www.ardea.ba/>

Stage-Sound | Website for stage equipment rental

Webflow | Figma

A website was designed in Figma and developed by using the no-code editor Webflow for the client, emphasizing collaboration, responsive design, and optimal website functionality.

<https://www.stage-sound.com>

Luminis Lamps | Designer lamps Website

Webflow | Figma

A test website for Luminis Lamps was developed to showcase knowledge, using the no-code editor Webflow for construction, and Figma for designing a responsive interface.

<https://www.stage-sound.com>

Projects completed while following courses and for college ...

EXPIRIENCE

2 months (Jul. 2023 – Sep. 2023)

Point Jupiter (Ride Technologies d.o.o)

ABOUT ME

Date of birth: 02.01.2001.

IT expirience: 2 months

EDUCATION

Computer Science Student

Study of Computer Science, 3rd year.

Fakultet elektrotehnike, strojarstva i brodogradnje (FESB), Split, Croatia

General Gymnasium

Srednja škola Čapljina, Čapljina, Bosnia and Herzegovina

SKILLS

HTML, CSS

JavaScript, TypeScript, NodeJS, Express

Java

SQLite

C, C++ Programming

Algorithms and Data structures

Webflow

Figma, Adobe Photoshop

COURSES

PHP - PHP Junior Mini Course - Cysecor

React - React 17: Getting Started – Samer Buna

Spring Boot - Spring Boot Tutorial - Amigoscode

Bash (Linux terminal) – Terminal, Bash & VIM Essentials - Amigoscode

CONTACT

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