

Bojan Ludajić

bojan.ludajic@gmail.com | github.com/bojanludajic | +381 69 200 3217 | Novi Sad, Serbia

Education

Faculty of Sciences, University of Novi Sad

BSc in Information Technologies

2022 - 2026

Personal/School Projects

IP address storage program | C | [Link](#)

- C program for storing and viewing available IP addresses.
- Implemented a Trie data structure for efficient storage and prefix-based lookups of IPv4 addresses.
- Added support for CIDR (slash) notation, which enables subnet-based address search and retrieval.

Polovni Automobili | Java, Spring Boot, MySQL, Redis | [Link](#)

- Spring Boot app for buying and selling cars.
- Registered users can message other users, post new and browse existing listings, they can also save listings to their *favorites* list. Guest users can only browse listings.
- Admins can delete listings and messages and can generate JasperReports for various listing statistics.
- Implemented rate limiting and session persistence with Redis.

Compose Desktop UI Code Generator | Kotlin, Compose Desktop, KotlinPoet | [Link](#)

- Tool for creating and exporting navigation graphs with an intuitive graphical user interface.
- Utilized Kotlin/Compose and KotlinPoet for automatic code generation, simplifying the process of transitioning from visual design to functional code.

Android Word Guessing App | Kotlin, Jetpack Compose | [Link](#)

- Dynamic native Android app inspired by Wordle created using Kotlin/Jetpack Compose.
- Implemented features include real-time word guessing, an on-screen keyboard, and a dark mode toggle to enhance user engagement and application functionality.

Property Management App | Java, Hibernate, Swing | [Link](#)

- Mini full-stack CRUD app made for university course - Databases 2.
- The application allows for the addition and deletion of owners and properties, with functionality for viewing property details associated with specific owners.

Skills

Programming: Java, Kotlin, C, Jetpack Compose, Hibernate, JavaFX, Spring Boot

Database management: SQL, Oracle SQL, MySQL, Redis

Tools: Git, Gradle, IntelliJ Idea, Eclipse (EE), Android Studio, Visual Paradigm

Languages

Serbian - native

English - fluent

German - intermediate

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