

Bojan Ludajić

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Education

Faculty of Sciences, University of Novi Sad

BSc in Information Technologies

2022 – 2026

Projects

Polovni Automobili | Java, Kotlin, SpringBoot, MySQL, Reids

[GitHub link](#)

- Spring Boot car marketplace web app.
- 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 the listings.
- Admins can delete listings and messages and can generate JasperReports for various listing statistics.
- Session persistence and rate limiting is handled by Redis. Users can submit between 10 and 50 requests per minute, depending on the service and functionality.
- A separate Kotlin Spring Boot RESTful API manages vehicle spare parts services, such as browsing parts based on model and part orders.

Compose Desktop Navigation Code Generator | Kotlin, Compose Desktop, KotlinPoet

[GitHub link](#)

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

IP Address Storage Program | C

[GitHub link](#)

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

Android Word Guessing App | Kotlin, Jetpack Compose

[GitHub link](#)

- Native Android app inspired by Wordle.
- Core features include real-time word guessing, an on-screen keyboard, and a dark mode toggle to enhance user engagement and application functionality.
- The game has over 5000 possible words, with continuous play and restarting on harder words.

Skills

Programming languages: Java, Kotlin, JavaScript, C

Frameworks/libraires: Spring Boot, Jetpack Compose, Hibernate, Swing

Database management: MySQL, Oracle, Redis

Tools: Git, Gradle/Maven, IntelliJ IDEA, Eclipse (EE), Android Studio, UML

Languages

Serbian: Native

English: Fluent

German: Intermediate