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
Dynamic 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, C
Frameworks/libraires: Spring Boot, Jetpack Compose, Hibernate, Swing
Database management: SQL, Oracle SQL, MySQL, Redis
Tools: Git, Gradle, IntelliJ IDEA, Eclipse (EE), Android Studio, UML

Languages

Serbian: Native
English: Fluent
German: Intermediate