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# LUKA RAKIĆ

BACHELOR OF COMPUTER SCIENCE



Motivated and responsible team player with advanced knowledge of Java programming, Spring Framework, and MySQL. Possesses solid expertise in Android application development and experience working with REST.

## EXPERIENCE

### PERSONAL PROJECTS

- 2024:**
  - Defended a graduation thesis on the topic "Development of an Android application for trip planning with Firebase Firestore database integration".
  - Developed an Android travel application using Kotlin, integrated with Firebase Firestore for non-relational database management.
  - Created a fast-food ordering system server application using the Next.js open-source JavaScript framework, combined with TypeScript and React.
  - Gained solid knowledge of PostgreSQL, focusing on relational database design and efficient management systems.
  - Completed an AI project for weather prediction using Kaggle datasets and mastered many algorithms for training machine learning models.
  - Completed the "Oracle Database Design and Programming with SQL" certification and successfully implemented a team project in APEX, titled "Development of a Database for Bank Account Management" for efficient user account management.
  - Participated in the ProggyBaggy contest, focusing on Java, and solved numerous Kotlin and Java tasks on the LeetCode and Codewars websites.
  - Acquired the basics of Java software testing through practical work in the Mockito framework for testing Java applications.
  - Gained solid knowledge of Git, using it for version control, project management, and teamwork.
- 2023:**
  - Developed an Angular bookstore application and improved JavaScript skills.
  - Mastered software development process models through practical projects and documented development procedures.
  - Gained basic knowledge of Java cryptography (JCA) through hands-on work.
- 2022:**
  - Analyzed FIFA player statistics using Python in Jupyter IDE.
  - Mastered relational databases and worked with MySQL DBMS.
  - Applied aspect-oriented programming in Java, developing a Spring project for managing a football team with CRUD operations, using Postman for API testing and MySQL for database management.
  - Obtained an intermediate understanding of computer networks.
- 2021:**
  - Mastered key concepts of Java object-oriented programming.
  - Mastered the basics of Java programming.
  - Developed websites using HTML/CSS and Bootstrap.
  - Acquired basic knowledge of JavaScript.

### CERTIFICATION

- Oracle Database Design and Programming with SQL (2024)
- The Complete Android 14 & Kotlin Development Masterclass, Udemy (2024)
- Java 17 Masterclass, Udemy (2023)

### REFERENCES

- Prof dr Mladen Veinović, Fac. of Informatics and Computing, Singidunum Univ.  
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- Prof dr N. Bačanin Džakula, Fac. of Informatics and Computing, Singidunum Univ.  
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## SKILLS

- Java ★★★★★
- Kotlin ★★★★★
- Python ★★★★★
- MySQL ★★★★★
- PostgreSQL ★★★★★
- Firebase ★★★★★
- Spring Boot ★★★★★
- JUnit ★★★★★
- JavaScript ★★★★★
- TypeScript ★★★★★
- Angular ★★★★★
- Next.js ★★★★★
- HTML & CSS ★★★★★

## TOOLS

### IDE

- IntelliJ IDEA
- Android Studio
- VS Code
- Jupyter IDE
- PyCharm
- Eclipse

### Databases

- MySQL
- Workbench
- pgAdmin
- HeidiSQL
- Firestore
- APEX

### Testing

- Postman
- Mockito

### Version Control

- Git
- GitHub

## EDUCATION

MSc Software and Information Engineering,  
University Singidunum  
2024 - present

Faculty of Informatics and Computing,  
University Singidunum  
2020 - 2024

## LANGUAGE

- Serbian (Native)
- English (Passive)

## PERSONAL CHARACTERISTICS

- Team player
- Motivated
- Honest
- A problem solver

## INTERESTS

- Basketball, skiing, gastronomy, learning new technologies