Mark Skroba

Java Software Engineer

🏠 St.Louis, MO   ⊙ markskroba   in markskroba   ✉ markskroba@gmail.com   📞 (314)281-7324

PERSONAL PROJECTS

SPRING BOOT SOCIAL NETWORK REST API | Java, Spring Boot, MongoDB | Github
2023

- → Recreated a REST API server used in "MERN Stack Front-to-Back" course on Udemy using Spring Boot and Java.
- → Developed an authentication system for the application, using JSON Web Tokens (JWT) for authentication and authorization.
- → Secured endpoints with Spring Security, allowing access only to authorized clients using the JWT authentication system.
- → Replicated endpoints that were served in the original application so that this version could be used almost seamlessly with the same database and React front-end.

ACADEMIC PROJECTS

T-PEN IMAGE TRANSCRIPTION SERVICE | Java, J2EE Servlets, MySQL | Github
2022-2023

- → In a team of three, contributed to the open-source project throughout the 2022-2023 academic year as a part of OpenSource with SLU university program and a Capstone project.
- → Modified Java 2 EE servlets to build documents from the data acquired from the MySQL database according to the new API standard, while preserving the old standard on the same servlets.
- → Created new servlets to return missing parts of both old and new documents.

JAVA SWING TETRIS GAME | Java, Swing API | Github
2021

- → Developed a Tetris game application written in Java by a team of 3 as a final project for CSCI2300 - Object-Oriented Software Design class.
- → Implemented the Model-View-Controller (MVC) pattern to ensure a separation of concerns between the data, view/UI, and controller.
- → Utilized Java Swing API to design the game's user interface and graphical elements.
- → Developed logic to make the blocks move, rotate, and fit together with each other.

PYTHON TEST MAKER APP | Python, Tkinter | Github
2022

- → In a team of three, developed an application written in Python using Tkinter that allows teachers to store questions for tests/quizes as part of CSCI3300 - Software Engineering class.
- → Added a PDF formation feature in the application, allowing users to easily create PDF files of the selected test questions.
- → Created a window to add new questions to a textual database.
- → Added Dependency Injection design principle for adding questions controller, decoupling taking input logic from interactions with the database.

SKILLS

LANGUAGES

Java • JavaScipt • TypeScript • Python • SQL • HTML • CSS •

LIBRARIES/FRAMEWORKS

Backend:
Spring Core/MVC • Spring Boot • J2EE • Node.js • Nest.js

Frontend:
React • Next.js

TOOLS/PLATFORMS

Git • Docker • UNIX

EDUCATION

SAINT LOUIS UNIVERSITY

Bachelor's in Computer Science
Aug 2019 - May 2023 | St. Louis, MO
Cum. GPA: 3.43 / 4.0