Reina Najdi

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Education

American University of Beirut (AUB)   2025
BS in Computer Science

Technical Skills

Programming Languages: Java (Java 8+), C, C++, Python, SQL, R
Frameworks: Spring Boot, Spring MVC, Flask, React, Next.js
Data Science: RStudio, Pandas, NumPy, data visualization (Matplotlib, Seaborn), statistical analysis, machine learning (Scikit-learn)
Backend: RESTful APIs, Microservices Architecture
Databases: MySQL, PostgreSQL, MongoDB
Testing: JUnit, PyTest
Tools: AWS, Git, Bitbucket, Jira, Scrum
Operating Systems: Linux (Ubuntu)

Experience

Amazon Software Development Bootcamp   May 2025
Participant – American University of Beirut (AUB)
- Collaborated with Amazon engineers to improve problem-solving and full-stack development skills.

Projects

MediRoute (Amazon Mentorship)   2025
Lead Developer
- Developed a healthcare navigation platform integrating real-time hospital availability, insurance filters, and mapping features.
- Implemented frontend with React and backend APIs for hospital data integration with the help of Amazon engineers.

BiblioBorrow   2024
Full-Stack Developer
- Built RESTful APIs using Flask and enhanced frontend with Next.js.
- Improved user experience through interface redesign and usability testing.

Spells Game   2023
Project Manager & Lead Developer
- Led development of a strategy game in C and coordinated a small development team.
- Enhanced gameplay mechanics and implemented an AI bot player.

SmartTask Manager   2023
Java Developer
- Developed a desktop task management application in Java using Swing and MySQL.
- Implemented task scheduling, reminders, and progress tracking features.
- Applied OOP principles (inheritance, polymorphism) and optimized database queries for performance.

Student Management System   2024
Java Developer
- Built a full-stack management system using Java 11, Spring Boot, and Spring MVC for handling student records and course enrollment.
- Developed secure RESTful APIs for CRUD operations and integrated with a MySQL database.
- Implemented unit and integration tests using JUnit to ensure code reliability.
- Deployed the application on AWS EC2, showcasing cloud deployment skills.