

Aiman Lahmamsi

Software Engineer

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SUMMARY

Software engineer with a strong foundation in full-stack development, specializing in Java, Spring Boot, React.js, and MySQL. Experienced in building web applications, designing RESTful APIs, and implementing secure authentication systems. Hands-on experience with IoT projects, game development, and database management. Adept at problem-solving, troubleshooting, and collaborating in technical environments.

EXPERIENCE

Dev/Mission Pre-Apprenticeship

Sep '24 — Dec '24
San Francisco, United States

- Gained practical knowledge of networking fundamentals and equipment setup.
- Developed problem-solving and collaborative skills through team projects.
- Object-Following & Remote-Controlled Robot: Programmed and integrated hardware components to create an IoT robot capable of remote control and object following.
- Recipe Finder Web App: Created a web application using React.js and Airtable, integrating external APIs to retrieve recipes.

EDUCATION

Bachelor in Computer Engineering, National Technical University, Kharkiv, Ukraine

Kharkiv, Ukraine

PROJECTS

Library Management System (LMS) (Java, Spring Boot, React.js, MySQL) [Link](#)

- Developed a robust Library Management System using Java Spring Boot for the backend and React.js for the front end.
- Implemented RESTful APIs for book management, user authentication, borrowing and returning books, and librarian features.
- Designed a relational database schema with optimized queries using MySQL.
- Integrated secure password recovery functionality for librarians, improving system usability.
- Ensured proper role-based access control, improving system security.

Brick Breaker Game (Java, Swing) [Link](#)

- Developed the classic Brick Breaker game with paddle and brick-breaking mechanics.
- Implemented collision detection for ball movement and interactions.
- Added scoring and game-over conditions with a final score display.
- Designed for future enhancements, including power-ups and high-score tracking.
- Deployed as an executable JAR file for easy access.

SKILLS

Programming Skills Java, SQL, JavaScript, C++

Development Frameworks Spring Boot, React.js, Swing, REST APIs

Database Management MySQL, Firebase

Development Tools Git, Maven, Postman, VS Code, Eclipse

Technical Proficiencies IT support and networking, Basic System Administration, Networking Fundamentals