

# Aiman Lahmamsi

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

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## Summary

Aspiring software engineer with a strong foundation in full-stack development, problem-solving, and collaboration. Passionate about building impactful solutions and continuously improving technical skills. Experienced in Java, Spring Boot, React.js, and database management, excited about tackling real-world engineering challenges and contributing to a dynamic, fast-paced team environment.

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## Education

**Bachelor of Computer Engineering**

**National Technical University, Kharkiv, Ukraine | June 2022**

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## Experience

**Dev/Mission Pre-Apprenticeship** [San Francisco, CA | Sep 2024 - Dec 2024](#)

- 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.

**Full Stack Developer (Self-Driven Projects)** [July 2022 - Present](#)

**Library Management System (LMS) (Java, Spring Boot, React.js, MySQL)**

- 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)**

- 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.
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## Technical Skills

- Programming Languages: Java, JavaScript, SQL, C++
- Frameworks & Technologies: Spring Boot, React.js, Swing, REST APIs
- Databases: MySQL, Firebase
- Tools & Platforms: Git, Maven, Postman, VS Code, IntelliJ IDEA
- Testing: JUnit, Mockito, Postman API testing