

# Aiman Lahmamsi

Software Engineer

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## SUMMARY

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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

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### Java Software Engineer Intern

Dec '24 — Feb '25

Revature

Remote

- Completed an intensive software engineering training program focused on Java, Spring Boot, and SQL.
- Developed and deployed a Social Media API, implementing user authentication, CRUD operations, and database management.
- Gained hands-on experience with Spring Boot, RESTful APIs, JDBC, and Javalin framework.
- Strengthened unit testing and debugging skills, ensuring high-quality and maintainable code.

### 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

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

Kharkiv, Ukraine

## PROJECTS

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### 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

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**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