

Aiman Lahmamsi

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

Education

HTD Talent Program — Full Stack Java Development (May–Jul 2025)

B.S. in Computer Engineering — NTU, Kharkiv, Ukraine (Jun 2022)

Technical Skills

Languages: Java, JavaScript, SQL

Frameworks/Tools: Spring Boot, React.js, Docker, Git, JUnit, Postman

Databases: MySQL

Systems & Security: JWT, OAuth 2.0, API Security, Debugging, UML

Projects

Workout Tracker — Java, Spring Boot, React, MySQL, Docker

- Designed a **layered Spring Boot backend** with +20 REST endpoints, improving query efficiency and enabling scalable feature expansion.
- Implemented **role-based authentication (user/admin)** with Spring Security + JWT; achieved **95% test coverage** with JUnit
- Built a React frontend with analytics dashboards (calendar & muscle heatmaps) to visualize workout progress.
- Containerized with Docker and deployed on **AWS EC2**, ensuring **99% uptime** during testing and team demos.

Library Management System — Java, Spring Boot, MySQL

- Developed a secure backend for librarians with **book cataloging, borrower accounts, and transactions**.
- Integrated **password recovery system** with Mail API; reduced login issues by ~30% in test scenarios.
- Applied SOLID principles and optimized SQL queries, reducing query execution time by ~20%.

URL Shortener API — Spring Boot, MySQL

- Built an API to generate **short URLs with expiration and custom aliases**.
- Designed redirect logic with Spring Data JPA and implemented validation rules, achieving **zero failed redirects in test cases**.
- Integrated **password recovery system** with Mail API; reduced login issues by ~30% in test scenarios.

Experience

Java Software Engineer Intern — Revature (Dec 2024 – Feb 2025, Remote)

- Built a **social media backend** with Spring Boot & Javalin, enabling secure user accounts and messaging.
- Implemented **role-based access control (RBAC)** across 10+ endpoints, increasing system reliability and preventing unauthorized access.