

Miled Issa

42 Student – Level 2

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Education

42 Beirut – Level 2 2025 – Present

Architecture of Digital Technologies Program – Core Curriculum (C programming, algorithms, low-level systems, Unix, Git, peer-to-peer learning).

University of Balamand – BS in Computer Science 2024 – Present

Coursework focused on data structures & algorithms, object-oriented programming in Java, database systems, and full-stack web development.

Selected Projects

Secure Online Learning Platform | Java, Spring Boot, JavaFX, PostgreSQL, JWT, OTP 2FA 2025

- Built a full online learning platform with role-based dashboards for admins, instructors, and students.
- Implemented JWT-secured REST APIs and email-based OTP two-factor authentication for login and sensitive flows.
- Developed a JavaFX desktop client that consumes the backend APIs and provides an intuitive UI for course and user management.

Online Learning Platform (Web) | Node.js, Express.js, SQL, EJS 2025

- Created a full-stack education website with secure authentication and a complete admin dashboard for managing courses and users.
- Used Express.js and a relational database to persist courses, users, and enrollments with server-side rendered EJS views.
- Structured the project with clear MVC separation to keep templates, routes, and business logic maintainable.

Static Array Linked List | C++, Data Structures, Algorithms 2024

- Implemented a linked-list abstraction on top of a static array to simulate dynamic memory with controlled allocation.
- Achieved $O(1)$ time for insert/delete operations at known positions using an internal free-list manager.
- Designed a custom iterator to traverse the structure safely and efficiently, highlighting memory-aware C++ practices.

Flight Reservation System | Java, OOP, File I/O 2024

- Designed an object-oriented system to manage flights, passengers, seat reservations, and ticketing operations.
- Applied inheritance, composition, and encapsulation to model different entities and handle business rules cleanly.
- Used persistent storage to keep flight and booking data consistent across application runs.

Technical Skills

Languages:

C, C++, Java, JavaScript, SQL, HTML, CSS, Bash

Developer Tools:

Git & GitHub, VS Code, IntelliJ IDEA, Android Studio, Xcode, NetBeans / RStudio, Linux shell, Postman

Technologies / Frameworks:

Spring Boot, JavaFX, Node.js, Express.js, React.js, EJS, REST APIs, MariaDB, PostgreSQL

Project Management & Practices:

Git workflows (branching, pull requests), code reviews, agile mindset, documentation and clean coding standards

Relevant Coursework and Workshops

“The Complete 2025 Web Development Bootcamp” – Udemy (Angela Yu) 2025

- Completed 50+ hours of full-stack web development training.
- Practiced building projects with HTML, CSS, JavaScript, Node.js, Express, React, and PostgreSQL.

- Strengthened understanding of RESTful APIs, authentication patterns, and modern frontend practices through hands-on exercises.

Extracurricular Activities

UOB Developers Club – Vice President 2024 – Present

University of Balamand

- Co-lead a student developer community, coordinating events and technical activities.
- Organize coding workshops, project sessions, and tech talks to help students build practical skills.
- Support members with resources, mentorship, and collaboration opportunities on software projects.