

Technologies & Languages:

- **Languages:** C#, PHP, Java, JavaScript, TypeScript, Dart
- **Web & App Development:** ASP.NET Core Razor pages, HTML, CSS, Bootstrap, React.js, SharePoint, Spring Boot, Flutter
- **Backend & APIs:** Node.js, Express.js, Spring Data JPA, REST APIs, JWT Authentication
- **Programming Concepts:** Object-Oriented Programming (OOP), Data Structures, Domain-Driven Design (DDD), 3-Tier Architecture, MVVM, Provider + Repository Pattern
- **Databases:** MySQL, SQL Server, PostgreSQL, SQLite, Firestore, phpMyAdmin, HeidiSQL
- **Tools & Technologies:** JSON, ADO.NET, Git/GitHub, Jest (Unit Testing), CI/CD Pipelines

Key Projects:

- Scalable E-Commerce Backend System:
 - Built a production-ready backend application with a **3-tier layered architecture** designed for enterprise-level use cases.
 - Followed **Domain-Driven Design (DDD)** principles within a clean, modular, and layered structure to ensure scalability and maintainability.
 - Implemented **business logic, persistence, and service layers** with strict separation of concerns.
 - Ensured high reliability through **comprehensive unit and integration tests** with extensive code coverage.
 - Integrated **CI/CD pipelines** for automated builds, testing, and deployments, streamlining the development lifecycle.
 - Designed with scalability, fault-tolerance, and production-readiness in mind for real-world e-commerce scenarios.
 - Technologies used: **TypeScript, SQLite, PostgreSQL, Jest.**

✓ <https://github.com/Software-Eng-Excellence/HusseinHaidar-cohort-3>
- Secured Role-Based Full-Stack E-Commerce Mobile App:
 - Developed a full-stack mini e-commerce system supporting customer and admin flows with **authentication and role-based access**.
 - Implemented user features including registration/login, product catalog with “Out of Stock” badges, product details, cart management with running totals, and order placement with atomic stock decrement handled by the backend.
 - Built **admin** features including product management (add product), viewing all orders with totals, and monitoring low-stock items (stock < 5).
 - Designed a mobile-first **Flutter** frontend with **Material 3** theming, responsive layouts, skeleton loaders, empty states, and error handling via snackbars/toasts.
 - Implemented clean state management (**Provider**) and local storage for session persistence.
 - Developed the backend using **Spring Boot** with a **RESTful API**, secured with **JWT** authentication, and **PostgreSQL**.
 - Ensured reliability by handling edge cases such as out-of-stock errors, authentication expiry redirection, and order race conditions.
 - Added **unit tests** for cart logic and widget tests for key screens.
 - Technologies used: **Flutter, Dart, Spring Boot, PostgreSQL, REST APIs, JWT, Material 3.**

✓ <https://github.com/Hsenhydr/Mini-Ecommerce-Challenge>
- Online Examination System – FREELANCE:
 - Developed a full-stack Online Examination System with a centralized **MySQL** database for instructors and students.
 - Built a **website** using **HTML, CSS, and JavaScript** for instructors and admins to securely log in and manage exams by adding or deleting them for specific majors.

- Developed a **mobile app** using **Flutter** that allows students to sign up or log in with their major, view available exams related only to their major, take exams directly from the app, see instant results upon submission, and track their previous exam results.
 - Implemented the backend using **Node.js** and **Express** to handle all API requests with proper authentication and authorization, ensuring role-based access: instructors/admins for the website and students for the app.
 - Ensured strict privacy and data integrity by restricting students from viewing exams of other majors.
 - Technologies used: **HTML, CSS, JavaScript, Flutter, Node.js, Express, MySQL**.
- ✓ <https://github.com/Hsenhydr/OnlineExaminationSystem.git>
- **Media Agency Website:**
 - Developed a virtual company website for Media Horizon, allowing users to explore services, check plans, and subscribe after logging in.
 - Created a user dashboard where users can track transactions, statuses, and submitted forms.
 - Built an admin panel with full control over transactions and website management.
 - Designed a fully responsive interface using **HTML, CSS, JavaScript, and Bootstrap**.
 - Implemented server-side functionality using **C#, ASP.NET Razor Pages, and SQL Server**.
- ✓ <https://github.com/Hsenhydr/Senior-Project.git>
- **Blood Donation Website:**
 - Developed a web application to facilitate blood donations.
 - Implemented user registration, blood group search, and donor matching features.
 - Built the frontend using **React.js** for an interactive user experience.
 - Integrated **Firebase** for hosting and backend services.
 - Designed and structured the database using **Firestore** for efficient data management.
- ✓ <https://blood-donation-633ea.web.app/>
- **University Portal Project:**
 - Developed a university portal with interactive features such as:
 - A slideshow for highlighting key events.
 - An announcements section with titles, images, and details.
 - A calendar to display important dates.
 - A news section for latest stories with images.
 - A gallery for organizing and displaying photos and videos.
 - Built using **React.js** with data fetching from the **SharePoint REST API**.
 - Styled using **CSS** for a clean, modern look.
- **Pet Shop Website – FREELANCE:**
 - Developed an online pet adoption and e-commerce platform that allows users to adopt, rehome pets, and purchase pet-related products.
 - Designed a user-friendly and responsive interface for seamless browsing and interactions.
 - Implemented key features including:
 - **Product Catalog & Purchase:** Users can browse categorized pet products, make purchases via Visa or cash-on-delivery.
 - **Rehoming Services:** Users can submit a form to rehome pets, with admin approval required.
 - **Adoption Services:** Users apply for pet adoption via a detailed form, with admin-managed requests.
 - **User Profiles:** Each user has a profile showing their adoption/rehoming history.
 - **Admin Dashboard:** Admins manage users, products, adoption requests, and rehoming approvals.
 - Built using **ASP.NET, C#, SQL Server, JavaScript, HTML, CSS, and Bootstrap**.
- ✓ <https://github.com/Hsenhydr/Pet-Shop.git>

Work Experience:

- Web Developer
 - ISS (Software Hive) – Internship **Aug 2024 – Nov 2024**
- Freelance Web Developer
 - Developed more than 3 custom websites and applications for various clients using **C# ASP.NET** and **SQL Server** **Nov 2024 – Present**
- Full Stack Developer
 - Apliman – Internship **Mar 2025 – May 2025**
 - Contributed to the development of internal tools and dashboards using **Flutter** and **Spring Boot**
 - Participated in the design, development, and testing of full-stack features in a modular enterprise system
 - Applied MVVM architecture, Provider, and Repository patterns to ensure maintainable code
 - Worked with RESTful APIs, state management, and responsive UI design.
 - Collaborated with cross-functional teams to meet project timelines and technical requirements

Education:

- BS in Business Computer Science
 - Lebanese University – Faculty of Economics and Business Administration. **2021 – 2024**
Achieving the highest grade for a senior project in the faculty (18/20)
- MS in Business Computer Science
 - Lebanese University – Faculty of Economics and Business Administration. **2024 – 2025**