

BATOUL SAAYED *Software Developer*

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PROFILE

Software Developer with hands-on experience building full-stack web applications and RESTful APIs using C#, .NET, Node.js, React, PostgreSQL, and MongoDB. Experienced in designing database-driven applications, implementing authentication and authorization, developing scalable backend services, and integrating frontend interfaces. Familiar with Docker, CI/CD pipelines, API documentation with Swagger, and software testing practices. Passionate about continuous learning, problem-solving, and building reliable, user-focused solutions.

WORK EXPERIENCE

Software Developer 01/2025 – 05/2025
AST

- Researched and proposed software solutions with the development team.
- Designed backend modules and improved system architecture.
- Developed programs using C# and .NET Web API.
- Performed testing, debugging, and error analysis.
- Collaborated with senior developers and contributed to team problem-solving.

.NET Intern 08/2023 – 10/2023
IDS

- Contributed to web application development using C# and ASP.NET.
- Worked on debugging, testing, and collaborating within a cross-functional team.

EDUCATION

Bachelor of Science in Computer Science 09/2021 – 05/2024
Lebanese American University
Relevant courses: Java, OOP, Algorithms, DBMS, Software Engineering

SKILLS

Programming & Backend

C#, JavaScript, TypeScript, .NET Web API, Node.js, NestJS

Database Technologies

PostgreSQL, SQL Server, Oracle, Prisma ORM, Entity Framework Core

System Architecture

Clean Architecture, Modular Services & Controllers, Database Design & Normalization

Frontend Development

Next.js, React, HTML, CSS

API Development

RESTful APIs, JWT Authentication, Swagger, Postman, WebSockets

Soft Skills

Strong Communication, Leadership, Problem-Solving, Attention to Detail

LANGUAGES

Arabic
Native

English
Fluent

French
Intermediate

PROJECTS

Appointment Booking System (Node.js, Express, MongoDB, React, Docker)

- Developed a full-stack appointment booking system with doctor, patient, and appointment management.
- Implemented appointment scheduling, cancellation, doctor availability validation, and overlap prevention logic.
- Designed RESTful APIs using Express and MongoDB with Mongoose relationships.
- Created interactive frontend pages using React.
- Documented and tested APIs using Swagger.
- Containerized the application using Docker and Docker Compose.
- Applied layered architecture using routes, controllers, services, and models.

AI Interview Training Platform (NestJS, Next.js, Prisma, PostgreSQL)

- Built a full-stack AI-powered interview system.
- Integrated Groq LLaMA 3 API for generating and evaluating interview questions.
- Implemented JWT auth, modular architecture, and cloud-ready backend.
- Developed UI with Next.js and managed DB via Prisma ORM.

Collaborative Note-Taking App (WebSockets, Prisma, PostgreSQL, Next.js)

- Developed real-time multi-user editing with live cursors.
- Implemented version snapshots, collaboration logic, and room-based syncing.
- Structured clean services, modules, and controllers with NestJS.

Interview Preparation Website (Java, SQL, HTML, CSS, JS)

- A full-stack platform to help job seekers practice interview questions.
- Built backend with secure authentication and dynamic content management.
- Integrated SQL database for user data and resources.
- Designed a responsive UI with JavaScript, HTML, CSS.

Lauxpert – Capstone Project

- Online portal for LAU students.
- Developed chatbot using Java, Dialogflow, JS, SQL, Python.
- Built multiple modules including student resources and helpful tools.

Chain Restaurant DBMS

- Built a centralized Oracle SQL database system for a chain of restaurants.
- Designed structured tables for branches, employees, menus, orders, and inventory.
- Applied normalization and constraints to ensure data accuracy and consistency.
- Developed SQL queries and simple reporting features for operational use.