

# Mohammad Baker Tarhini

## Software Engineer

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— Beirut, Lebanon

Arabic (Native) — English (Intermediate)

## Professional Summary

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Backend-focused software engineer specializing in building scalable web applications using C#, ASP.NET, Laravel, and Node.js. Experienced in designing RESTful APIs, database-driven systems, and clean architecture-based solutions. Proven ability to deliver complete systems with optimized performance and maintainable codebases.

## Technical Skills

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### Backend

- **ASP.NET** : Developed production-ready RESTful APIs using layered architecture
- **C#**: Wrote clean, object-oriented code reducing redundancy across projects
- **Node.js**: Implemented server-side logic handling concurrent API requests
- **Laravel**: Built secure backend systems with MVC architecture
- **RESTful APIs**: Designed endpoints enabling seamless frontend-backend communication
- **Clean Architecture**: Applied layered design principles improving maintainability

### Frontend

- **React**: Created reusable components accelerating development
- **JavaScript**: Developed interactive, cross-browser applications
- **HTML/CSS**: Built responsive interfaces across multiple device breakpoints
- **Telerik ASP.NET AJAX**: Enhanced UI interactivity while reducing page reloads

### Database

- **SQL Server**: Optimized queries improving data retrieval performance
- **MySQL / MongoDB**: Designed schemas supporting scalable applications
- **Database Design**: Created normalized schemas ensuring data integrity
- **Query Optimization**: Reduced database calls using indexing and efficient joins

### Core Competencies

- Problem Solving, Analytical Thinking, Communication, Leadership

## Projects

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### Multi-Vendor Online Shop API

*ASP.NET Core, SQL Server, Clean Architecture*

GitHub Repository

- Designed scalable multi-vendor e-commerce API with 40+ RESTful endpoints
- Reduced code duplication by 40% using clean architecture principles
- Implemented JWT authentication and role-based authorization securing sensitive endpoints

### **Pantry and Meal Planner**

*Laravel, MySQL, AI*

GitHub Repository

### **Habit Health Logger**

*PHP, MySQLi, AI*

GitHub Repository

### **AI-Powered Chat Application**

*PHP, MySQLi, AI*

GitHub Repository

### **Emergency System Backend**

*Node.js, MongoDB, Express, Mongoose*

GitHub Repository

### **Interactive Browser Games**

- **Maze Game:** GitHub
- **Color Sequence Memory Game:** GitHub

### **Postfix / Prefix Calculator**

*JavaScript, HTML, CSS*

GitHub Repository

## **Education**

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### **Lebanese University**

Bachelor's Degree in Mathematics

2018 – 2021

### **Islamic University of Lebanon (IUL)**

Bachelor's Degree in Computer Science

2023 – 2026