Melissa Maureen Sales Brito

Software Developer

📞 +53 58959309   ✉ smelissamaureen@gmail.com   ⌨ MaureenSales
📍 Havana, Cuba

EDUCATION

Highlighted Courses:

Data Structures   Algorithms
Software Engineering   Architecture
OOP   Databases

TECHNICAL SKILLS

- **Languages:**
  C#   Python   JavaScript
  SQL   TypeScript
- **Frameworks:**
  .NET   ASP.NET
  Entity Framework   Blazor
- **Databases:**
  PostgreSQL   SQLite
- **Tools:**
  Git   GitHub   Docker   HTML/CSS
  Visual Studio   VS Code
  Latex   Linux   pgAdmin

ACHIEVEMENTS

- **Participation in mathematics competitions**
  National preselection.

PROJECTS

Polyclinic System   *C#, .NET 8, PostgreSQL, React, EF*

Medical management system under development, with modular architecture. REST API with JWT, React frontend, PostgreSQL. Clean Architecture.

⌨ Repository

Moogle!   *C#, .NET 6, Blazor, TF-IDF*

Intelligent search engine with vector model and TF-IDF. Cosine similarity, advanced operators, Blazor interface.

⌨ Repository

S-MIPS Microprocessor   *Logisim, Python, Assembly*

Complete CPU with S-MIPS instructions. Design in Logisim, Python assembler, cost optimization.

⌨ Repository

Hulk-rdp   *C#, Interpreter, Data Structures*

HULK language interpreter with recursive descent parser. AST, type system, pattern matching.

⌨ Repository

Hwent   *C#, Unity, OOP, Design Patterns*

Implementation of the Gwent game. Card system, advanced mechanics, Strategy and Observer patterns.

⌨ Repository

LinkChat   *Python, Sockets, Networking*

Real-time P2P chat with Python sockets. Client-server architecture, concurrent handling.

⌨ Repository

Captive Portal   *Python, Sockets, Networking, TCP, HTTP*

A network machine that monitors HTTP traffic and forces users to go through a special page before browsing the Internet.

⌨ Repository

CV available at: GitHub/MaureenSales