

Nicolas Cleik de Andrade

SOFTWARE ENGINEER

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EXPERIENCE / PROJECTS

FREELANCER: CleikManagement App – Business Management System – C#

Designed and developed a comprehensive management system tailored for small businesses, including modules for product registration, inventory control, sales, financial reporting, and invoice issuance.

- Backend and frontend development using C# with Windows Forms and Entity Framework.
- Database structuring in SQL Server.
- Generation of management reports with Crystal Reports.
- Active participation in technical and functional documentation of the system, including flowcharts and wireframes.
- **Key technologies:** C#, .NET, SQL Server, Windows Forms, UML, Prototyping, Data Modeling, Collaborative Development.

PROJECT: Banking System Simulator and Auction Platform – C++

Development of a system focused on auctions and banking operations. The project utilized concepts such as move semantics, dynamic memory allocation, shared_ptr, and automated testing with Catch2.

- Creation and management of users and bids in auctions with logical validations.
- Evaluation of bids including retrieval of highest, lowest, and top 3 values.
- Simulations of memory allocation and string management with copy and move constructors.
- Unit test coverage with behavior and business logic validations.
- **Key technologies:** C++, Catch2, Smart Pointers, STL (Standard Template Library).

EDUCATION

Universidade Tiradentes - Bachelor's Degree in Computer Science (Expected 2029)

ADDITIONAL TRAINING & CERTIFICATIONS

Instituto Federal do Rio Grande do Sul - Oracle PLSQL Database — 20h (2024)

Alura - Java Certification — 75h (2024)

Alura - Advanced .NET with Microservices Architecture and RabbitMQ — 24h (2024)

Alura - C++ Programming Language — 62h (2024)

TECHNICAL SKILLS

Languages: C#, Java, C++

Frameworks & Tools: .NET Core, Entity Framework, ASP.NET, Unity, RabbitMQ

Databases: SQL Server, Oracle PLSQL, MongoDB, XML

Others: Git, Crystal Reports, UML, Microservices Architecture, Agile Development

LANGUAGES

Portuguese — *Fluent / Native*

English — *Advanced*

German — *Basic*