Jorge Nicolás SAER

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PROFILE

Electronic design , strong knowledge on embedded systems/ wireless connectivity/IoT . Medium an high complexity software development skills on several platforms and architectures . Importan experience regarding knowledge transfer / training.

SKILLSS

English
Fluid written and oral communication.

Teaching/Training
30 years of experience teaching at the university (UCA/UAI)

Research
Grade IV Researcher for over 8 years . I have participated on several research projects about Computer Science and Industrial Engineering.

Data Acquisition / Connectivity
Strong experience on embedded systems and wireless communications (Bluetooth /BLE /Wi-Fi / Lo-Ra)

Teamwork
Proactive and positive attitude for team work

EDUCATION

Electronics Engineer
Universidad Nacional de Rosario, Argentina
1985

Object Oriented Analysis and Design Specialist
Universidad Tecnológica Nacional, Argentina
1996

PROGRAMMING **Development tools**

C / C++ / C# / Java / PHP / Python / Swift / Kotlin / Javascript / ES6 / SQL

Frameworks

.Qt / wxWidget / .NET WinForms -WPF/ Java Swing / JavaFX / MVC / Angular JS / Jquery / Jnode

Design Patterns

MVC / MVVM / Entity Data Models

Embedded Systems

PIC / Atmel / ARM / Arduino / Raspberry Pi, ESP-8266 / among others.

Frameworks

.Qt / wxWidget / .NET WinForms -WPF/ Java Swing / JavaFX / MVC / Angular JS / Jquery / Jnode

Design Patterns

MVC / MVVM / Entity Data Models

Embedded Systems

PIC / Atmel / ARM / Arduino / Raspberry Pi, ESP-8266 / among others.

SPECIALIZATION **Industry**

I have developed many solutions for the industry, by delivering software drivers for scada systems (PLCs/ Scales / flow meters / energy meters for Scada systems among other stand alone projects for controlling and monitoring industrial devices (bluetooth proportional valves / solenoids).[C/C++/C#]

Medicine

I have developed many solutions for the medical devices, most of them in the cardiology field. I can mention for example a 16 channel polygraph for electrophisiology, a bluetooth SPO2 monitor for mobile devices, and a high resolution 12 channel monitor for android tablets with cloud support. I have developed also a 1 channel bluetooth monitor system for ICU (this device has dual output: digital and analog in order to communicate with standard systems) [C/C++/C#/Java]

Market Tradings

Developed in C++ 11,under GNU/Linux.
Current version supports ITCH and FIX protocols (scalable)
It is a concurrent system with a "hot plugin" mechanism for decision making rules
More than one plug-in can be activated without stopping the service Response time is about 60us.

EXPERIENCE

Some companies I have been working for as an engineer/senior software developer/Trainer / Consultor

Autológica
AyJ Sistemas
Banco de Santa Fe
BLC
Capex
Cargill
Conarco
Cortronix (USA)
DOW
Dreyfuss
Droguería Monroe
Empresa Provincial de la Energía
ESG / Dilec
GALIX/GBI
Helametal
Indular
Klaukol
La Virginia
Pioneer
PWM (Canadá)
YPF

Currently: Senior developer @ Technology Innovation Department (Neuralsoft)