Felipe Nicolás Diniello

Eindhoven, Netherlands
✉ *felipediniello@pm.me*
Phone No.: +31 6 2727 4135
Age: 36 y.o.

Last Relevant Jobs

Globant - Argentina

2017 - 2022
Area: Internet of Things Studio, *Buenos Aires*
Position: IoT Edge Engineer (SME.)
Team size: 20 SW and FW engineers
Duties:
Delivered technical assistance during pre-sales activities for cloud-based solutions incorporating hardware device integration. Managed research and development endeavors to prototype and demonstrate the feasibility of client-driven concepts and internal needs. Designed and engineered solutions for embedded software applications and firmware spanning various architectures and operating systems.
Keywords: Azure, C++, Jenkins, DSP, Docker, Yocto, MQTT

Nobleo Technology - Netherlands

Aug. 2022 -
Area: Nobleo Embedded, *Eindhoven*
Position: Software Engineer
Duties:
Works as a developer on projects for both external and internal clients. On internal projects, actively participated in the architectural development of an IoT platform, with a particular emphasis on facilitating real-time communication among edge devices.
Keywords: STM32 microcontrollers, Yocto, C/C++, GTest and CTest

Professional Traits

Non technical skills and experiences

- **Pre-sales Experience**: Proficient in providing technical support and guidance during pre-sales activities, helping clients make informed decisions and meet their specific needs.
- **Client Relationship Management**: Adept at cultivating and maintaining strong client relationships, ensuring satisfaction and repeat business through effective communication and problem-solving.
- **Team Leadership**: Demonstrated leadership skills in guiding and motivating teams, fostering collaboration, and achieving project goals within deadlines.
- **People and Career Management**: Experienced in nurturing the growth and development of individuals within a professional setting, aiding in their career advancement and overall success.
- **Public Speaking / Conferences**: Skilled in public speaking and presenting at conferences, effectively conveying complex ideas to diverse audiences and fostering engagement.
- **Teaching**: Proficient in educating and mentoring individuals, providing valuable knowledge transfer and facilitating skill development in both formal and informal settings.

Technical Skills

Programing Languages

- Proficient with **C/C++11**. OOP, Templates and Design Pattern implementation.
- Experience with **Rust** programming language.
- Experience with Crosscompilations and build systems such as **Make** and **GCC toolchain**
- Experience with **BASH** scripting tools tools such as sed, awk, grep, and more

Operative Systems

- Long term experience using and setting **GNU/Linux** environments
- Package managment, building and dependency control with **.deb/.rpm** tools
- Experience using **Buildroot** and **Yocto**
- Experience developing under **FreeRTOS**

DevOps Tools and Technologies

- Experience working and setting up CI/CD for custom targets with **Jenkins**
- Usage of **Docker** for setting up custom toolchains for cross-compilation and services

Qualifications

2019   **Electronic Engineer**, *Universidad Tecnológica Nacional - FRBA*, Buenos Aires

Languages

Spanish, *native*

English, *advanced*

French, *basic*

Prior Experience

CITEDEF, Defense Department

2016 - 2017   **Digital Technics Lab.**, *Applied Electronics Department*, Villa Martelli - Buenos Aires
Project: Argentinian Air Target - Ground Segment
Position: Paid Internship
Objectives: Develop a low cost resynchronization platform for telemetric payloads coming from an Unmanned Aerial Vehicle.
Keywords: FPGA, VHDL, DSP, HIL, Simulation.

Facultad Regional Buenos Aires - Tenaris

2014 - 2018   **Science, Technology and Production Secretary**, *UTN-FRBA*
Project: Field-Joint-Coating
Position: Paid Internship
Objectives: Develop an electronic system capable of heating large copper weaves with a temperature profile to weld plastic surfaces.
Keywords: PID Controller, Power Electronics, DSP, Electronic Front End.

CITEDEF, Defense Department

2011 - 2013   **Pyrotechnics Lab.**, *Applied Chemistry Department*
Project: TINoC (Tornillo Iniciador Normalizado Codificado)
[Translates to: Normalized Codified Fire-Started]
Position: Paid Internship
Objectives: Develop a safe communication protocol for a microcontroller to trigger the initiazion sequence for solid-fuel rockets only after the correct code is entered.
Keywords: ARM, C, Crosscompilation, Linux

College Involvement

Teaching

2017 - 2019   **Auxiliary Teacher**, *Control Systems*, Facultad Regional Buenos Aires - UTN
Head professor: Sp. Emilio Ciccolella
Subjects: Systems modeling, Controllers design, Modern Control.

2014 - 2018   **Auxiliary Teacher**, *Programming I*, Facultad Regional Buenos Aires - UTN
Head professor: Eng. Mariana Prieto Canalejo
Subjects: C programming language under GNU/Linux environments.

Awards and Special Mentions

2010   **Projects Fair**, *UTN-FRBA*
Project: Three Axis CNC Controller
Category: Practical Assignments
Award: Third Place

2017   **Innovar Fair**, *Ministry for Science and Technology*
Project: Autonomous Navigation Platform
Category: Innovative Product and Design