ANDREU
PLAYÀ CAAMAÑO
SOFTWARE ENGINEER

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PROFILE

Focused Telecommunications Engineer with 5+ years background in Programable Logic Controller systems.
In-depth understanding of control and automation applications in packaging industry. Familiar with high-level programming languages and clean code enthusiast.
Currently working as a machinery programmer but looking forward to becoming a full-fledged software developer.

EXPERIENCE

Software Engineer, PLC Programming | Multivac Group
JUN 2021 – PRESENT
Research and development of new machines for the food packaging industry. (TwinCAT3 in Structured Text IEC 61131-3, Mercurial, Motion Cams, Unit tests, Java, C)

- Developed and integrated full new stations managing more than 15 synchronized axes.
- Developed and maintained legacy applications on drives.
- Implemented solutions to enable machine customization on a serialized process.

Junior Software Engineer, PLC Programming | SP I-Dositecno
FEB 2017 – JUN 2021
Adapted standard code based on client specific machine design specifications under GAMP's V-Model standards. (KEBA in Structured Text IEC 61131-3, VB Script, SQL, SSRS, .NET).

- Developed a pharma packaging sterile production line including two 6-axis robots (Comau Racer 5).
- Developed and integrated a FDA-compliant HMI recipe and reporting system.
- Created macros for the mechanical team using SolidEdge's API.

IT System Administrator | Boluda Protección
JAN 2014 – FEB 2017
Implemented an ERP system for increasing efficiency in clothing production.

EDUCATION

M.D. Automatic Control and Robotics | UPC (ETSEIB)
SEP 2012 – JUL 2014
Master in Automatic Control and Robotics

Technical Telecommunications Engineering | UPC (EPSEM)
SEP 2007 – JUL 2011
Ingeniero técnico de telecomunicación. Sistemas Electrónicos

SKILLS

★★★★★ IEC 61131-3	★★★☆☆ C
★★★★☆ VBScript	★★☆☆☆ C#/.NET
★★★☆☆ Java	★★★☆☆ Git/Mercurial
★★★☆☆ SQL	★★★☆☆ Jira/Confluence

COURSES

2021 | Twincat3 NC PTP, Beckhoff Automation S.A.

2021 | TwinSAFE, Beckhoff Automation S.A.

2014 | Cisco Certificate Network Associate: Routing and Switching, Institut Numància Formació.