Contact

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www.linkedin.com/in/thiagoporfirio
(LinkedIn)

Top Skills

Python (Programming Language)
SQL
Git

Languages

Português (Native or Bilingual)
Inglês (Native or Bilingual)

Certifications

AWS Educate Getting Started with
Databases

Aprendizado Não Supervisionado
para Ciência de Dados

AWS Educate Machine Learning -
DeepRacer

AWS Educate Getting Started with
Security

AWS Educate Getting Started with
Serverless

Thiago Porfirio

Electronic Engineer | Instrumentation & Control | Embedded Systems
| Nuclear & Aerospace Systems |Software Developer | Systems
Integration | AWS | CLF-C02 | Open to Relocate to Europe (EU
Citizenship in Progress)
Greater Madrid Metropolitan Area

Summary

Electronic Engineer with a Bachelor's degree in Electrical
Engineering from UNESP (2009), an MBA in Project Management
from USP (2017), and a Certificate of Proficiency in English (ECPE,
University of Michigan, 2015). With over 15 years of experience
in high-stakes projects across defense, aerospace, and nuclear
sectors, I combine expertise in instrumentation, control, software
development, and team leadership to deliver innovative solutions in
complex environments. Relocating to Europe | Spanish Citizenship in
Progress.
Currently, as an Electronic Engineer at Amazul, I'm working in
the Instrumentation and Control team for the LABGENE project
(Brazilian Navy). I develop and validate critical automation systems
and sensor integration, ensuring compliance with stringent
safety and performance standards. Additionally, I participated in
Factory Acceptance Tests (FAT) and Training Programs abroad,
collaborating with international suppliers to verify the quality and
functionality of critical systems for the Nuclear project.
As a 1st Lieutenant in the Brazilian Air Force at CINDACTA I, I
led the Meteorological Support Section, managing a team of 8
technicians responsible for maintaining strategic equipment. I
conducted technical audits at air traffic control units and participated
in commissions overseeing infrastructure projects, ensuring the
reliability of operational systems.
I began my career at Atech, developing software in C/C++ and Java
for air traffic control systems, contributing to enhanced safety and
efficiency in aerospace operations.

Key Skills: Instrumentation and Control | Embedded Systems
| Software Development (C/C++, Java) | Nuclear | Project
Management | Team Leadership | Technical Auditing | Safety

Standards | Factory Acceptance Testing (FAT) | DevOps | AWS | Documents Review | Full-Stack | English

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Experience

Amazônia Azul Tecnologias de Defesa S.A - AMAZUL
Electronic Engineer - Nuclear Technology Development Specialist
March 2017 - Present (9 years)
São Paulo, São Paulo

As part of the Instrumentation and Control Division for the LABGENE project (Brazilian Navy), I contribute to the development and validation of critical systems for nuclear energy generation. Key responsibilities include:
-Developing and reviewing engineering documentation, including System Descriptions, Engineering Flow Diagrams, Instrumentation Specifications, Loop Diagrams, Cable Lists, Interconnection Diagrams, Control Diagrams, and Logic Diagrams, ensuring compliance with project requirements.
-Monitoring systems development projects and coordinating the supply of instruments and equipment through direct collaboration with suppliers.
-Designing, programming, and commissioning Programmable Logic Controllers (PLCs) to ensure robust and reliable system performance.
-Verifying technical documentation compliance with international standards, issuing detailed reports to support project milestones.
-Specifying electro-electronic panels, industrial instruments, safety control systems, and specialized equipment to meet stringent operational and safety requirements.
-Utilizing Navisworks to navigate and analyze the LABGENE plant's digital model for system integration and design validation.
-Participating in Factory Acceptance Tests (FAT) in the United States and Czech Republic, collaborating with international suppliers to validate system quality and functionality.
-Participating in a specialized training in France (August 2025) on the maintenance of control and protection systems in nuclear power plants, enhancing expertise in nuclear safety, instrumentation, and advanced control technologies.

CINDACTA I
Electronic Engineer
August 2011 - March 2017 (5 years 8 months)
Brasília, DF

As Chief of the Meteorological Subsection at the First Integrated Air Defense and Air Traffic Control Center (CINDACTA I), I led the management and maintenance of meteorological equipment critical to the Brazilian Airspace Control System (SISCEAB). My responsibilities included:
-Coordinating and overseeing preventive and corrective maintenance of meteorological equipment at CINDACTA I and subordinate detachments, conducting risk assessments to ensure operational continuity.
-Monitoring the validity of team members' technical qualifications, identifying training needs and progression requirements.
-Participating in inspection commissions and acceptance of infrastructure projects, ensuring compliance with technical specifications.
-Conducting technical audits across SISCEAB units, verifying the reliability and safety of critical systems.

Atech S/A
Trainee System Developer
October 2009 - June 2011 (1 year 9 months)
São Paulo e Região, Brasil

Contributed to the development and maintenance of software for air traffic control within the Brazilian Airspace Control System (SISCEAB), deployed on the Solaris 10 platform using C/C++ and Java. My responsibilities included:
-Designing and implementing software solutions to enhance the safety and efficiency of air traffic control operations.
-Utilizing Oracle Database for data management and ClearCase for configuration management to ensure robust and reliable software builds.
-Creating and executing test cases using TestLink to validate software functionality and system performance.
-Conducting system-level testing to verify compliance with operational requirements and industry standards.

Education

Universidade Estadual Paulista Júlio de Mesquita Filho
Electrical engineer, Electrical and Electronic Engineering · (2005 - 2009)

Universidade de São Paulo
MBA, Project Management · (2016 - 2017)