

PAULO BALBINO

ADDRESS:

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WORK EXPERIENCE

Senior Software Engineer, Schneider Electric Software (Aveva), SP, Brazil

06/2015 - Present

Responsibilities:

- Scrum Master of the Drivers Development Team
- Design and develops industrial software solutions by studying information needs, requirements, protocol standards; conferring with customers; studying systems flow, data usage, and work processes; investigating problem areas; following the software development lifecycle. Prepare data and information for making regular report data analysis
- Determines operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions (prototyping).
- Documents and demonstrates solutions by developing documentation, flowcharts, layouts, diagrams, charts, UML, code comments and clear code.
- Prepares and installs solutions by determining and designing system specifications, standards, and programming.
- Manage, supports and develops software engineers by providing advice, coaching and opportunities.

Main achievements:

- Development of a software module for communicating with Bacnet networks (Bacnet/IP) both master and slave
- Development of a software module for communicating with OMRON PLCs (NJ/CJ2 Families)
- Development of a software module for communicating with MQTT Broker
- Development of a software module for communicating with MTConnect (CNC Devices)
- Enhance of the current CIP driver for Allen Bradley PLCs (ControlLogix Families)
- Development of a software module for communicating with SIEMENS PLCs (S7-1500 Family)

Software Developer, Indusoft, SP, Brazil

03/2009 – 05/2015

Responsibilities:

- (C/C++, NET) Multiplatform development of communication software for Windows (x86, ARM, ARMv4I, WinCE, Embedded XP) and Linux, VxWorks
- Development of Unit tests for communication drivers
- Understand of the main industrial protocols (Modbus/DF1/CIP)

Internship at Embrapa

06/2008 – 02/2009

- Maintain the Dspace cloud agricultural repository for the main knowledge bases.

EDUCATION

Bachelor Degree of Computer Science, Pontifícia Universidade Católica de Campinas

2006 - 2010

MBA in Project Management FGV

2018 - Present

CERTIFICATIONS

MCTS – Accessing Data with Microsoft .NET Framework 4

LANGUAGES

- English – Fluent
- Portuguese - Native

AWARDS

- Finalist of the International Championship of Microsoft (Imagine Cup) on Embedded Development category with hardware development project of digital pen (YouPi) with acceleration sensors. Software developed in MFC platform PC / WinCE. <https://www.puc-campinas.edu.br/alunos-da-puc-campinas-desenvolvem-caneta-digital-que-pode-decretar-o-fim-da-lousa/>

COURSES

- Scaled Agile Framework – Austin, TX, United States, 2014

OTHER PROJECTS

- 2007 - Scientific initiation – PIBIC/CNPq - 2007. UMA FERRAMENTA PARA SUPORTE A AVALIACAO DE MATERIAIS EDUCACIONAIS ADAPTATIVOS – Pontifícia Universidade Católica de Campinas
- 2012 - Development of a E-Learning solution with live classes, real time (video/audio/deskshare/presentation) with integration to online payment systems (PayPal/PagSeguro) using Microsoft technologies ASP NET MVC

ADDITIONAL SKILLS

Database operation: Oracle 8i, MySQL, MS SQL Server

Programming/Technologies: C, C++, C++/CLI, Python, NET, ASP NET (Web Forms/MVC), Angular, SQL, HTML, JavaScript, VBScript