

EDENILSON LOPES DE MEIRA – SOFTWARE DEVELOPER

ONTARIO

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PROFILE SUMMARY

For many years, I have been working in manufacturing, maintenance and/or management performing technical duties in the automation, electrical, electronic, instrumentation, software, and IT departments of large (multi-national) companies.

I started as an industrial electrician and went on to perform several different roles in my career. This has given me a wide range of skills perspectives across different fields and the ability to cover several aspects of the business, which helps me to understand how they are interconnected as well as how one can help the other in order to find the best solutions for the technical challenge at hand.

A non-exhaustive list of my responsibilities includes:

- Instrumentation calibration,
- Repair/replacement of electrical/electronic components
- Robotics and PLC programming
- Software design/programming and documentation
- Technical training
- Technical manuals writing
- Contacting suppliers
- Budgeting and pricing,
- Implementation of new instrumentation
- Project Management
- Commissioning and logging data,
- Servers' setup
- SCADA package use for HMI screens

I have developed solutions for software using a variety of tools and platforms. My background in programming languages such as C/C++/C#, assembly and PLC programming has prepared me to deal with many different problems and helped me to work with fast approaches to find better, more reliable, and faster solutions. I am experienced with temperature controllers, displacement measuring systems, vibration analysis and pressure measurement, and can provide the technical support needed to face most of the problems involved with electronic instrumentation. An important aspect of my current position is contacting the client and negotiating the best solutions for change requests and/or evaluating the application of client requirements to the project.

SECURITY CLEARANCE INFORMATION

- Clearance Level: Secret Clearance Level II (2020-2030)

EDUCATION

- Bachelor of Science: Computing and Information Systems, Athabasca University (Current)

PROFESSIONAL DEVELOPMENT/ACCREDITATIONS

- O.A.C.E.T.T. – CTech member since 2013
- Currently pursuing ISP/ITCP certifications for IT Professionals.
- PLC Basic: Intermediate and Advanced Programming using SLC500 and PLC 5 processors, Conestoga College (2007)
- Control Logix Programming using RSLogix 5000 software, Conestoga College (2008)
- Partial credit: Mechatronics Technologist, Conestoga College (2008)
- Partial credit: Software Engineering Technologist, Conestoga College (2003)
- Partial credit: Mechatronics Engineering Program, Paulista University /Brazil (1996)
- Diploma: Precision Industrial Mechanics Technician, SENAI Suiço-Brasileiro (1991)
- Certificate: Industrial Electronics Technician, SENAI Ary-Torres

LANGUAGE

English: Fluent, oral, and written

PROFESSIONAL EXPERIENCE

ADGA GROUP CONSULTANTS INC – CANADA

KINGSTON, ON
August 2021 – Current

Program Analyst

- Program in Java using JavaFx for frontend
- Program in C++, C and C#
- Use Apache Maven project management tool
- Work with Protobuf format to serialize and deserialize files
- Work in Linux environment (CentOS 7 and Ubuntu) and Windows 10
- Setup Virtual Machines with VMWare
- Use Git and Github for version control and management
- Familiar with GitKraken user interface
- Use Gitbash, CMD and Powershell for command line inputs
- Work with XML and JSON file formats.
- Use Blender, Reallusion CC3, Zbrush, Unity and Unreal for 3D modeling and creation
- Use Photoshop, Adobe Illustrator, Adobe Premiere, Adobe After Effects for video and image manipulation.
- Work with Visual Studio 2019 and IntelliJ IDEA for Integrated Development Environment
- Work with Visual Code and Atom text editors.

BOMBARDIER TRANSPORTATION – CANADA

KINGSTON, ON

SCADA Analyst

July 2011 – May 2020 (8 years, 10 months)

- Responsible for a variety of programming which included using OOP, JScript.Net, Visual C# (C sharp), HTML5, as well as Visual Studio and VS code IDE, familiar with S.O.L.I.D. best practices for object-oriented design and development.
- Successfully administered technical training in two languages (Portuguese and English)
- Participated in the estimation of cost for bidding process for several projects spread around the world, including software licenses, hardware requirements and “in-house” development cost.
- Configured alarm tags and data loggers as well as created databases for memory mapping and language translation
- Assisted with vendor management and contract negotiation while creating structure and material for technical manual
- Wrote a variety of technical documentation for projects which included software requirements specification, software functional/version/architecture design and factory acceptance test procedures and reports
- Good knowledge of CENELEC 50128 (IEC 62279) Standard for the transportation industry
- Applied predictive or adaptive approaches to system designs
- Documented technical guidelines for projects while designing and writing internal/external system requirements using UML tools, case diagrams and class model diagrams
- Designed SCADA systems based upon client’s requirement

TRANSFORMIX AUTOMATION

KINGSTON, ON

Site Manager

April 2010 – July 2011 (1 year, 3 months)

- Professionally directed and managed engineering team travelling from Canada to Brazil,
- Reported and controlled project budget,
- Interfaced with client to create strategies and planning for the project development,
- Interfaced between Brazil and Canada government’s requirements for legal documentation,
- Assisted with technical cross reference regarding standards/norms between Canada and Brazil,
- Responsible to ensure Brazilian laws of work permit and documentation were followed for visiting engineers,
- Liaison between Canada and Brazil to negotiate local contractors and new businesses,
- Point of contact for politicians and media (such as meetings with city major and radio interviews),
- Responsible to write technical procedures and training of Brazilian engineers,
- Responsible to coordinate enterprise implementation of a \$3 billion dollars project,
- Supported legal teams for both countries on business negotiations and regulations,
- Supported engineers on troubleshooting and programming servo motors,
- Supported local electricians and mechanics on technical issues.

RESEARCH IN MOTION

WATERLOO, ON

Instrumentation Technician

September 2009 – April 2010 (8 months)

- Calibrate electronic instrumentation of production line,
- Keep and update databases control for calibration,
- Repair and troubleshoot electronic instrumentation,
- Debug and modify C code for certain instruments,

- Programmed and troubleshoot Allen Bradley PLCs in production lines,
- Produced technical reports,
- Troubleshooted AC/DC motors,
- Wrote and performed testing procedures,
- Kept instruments up to date with ISO 9000 requirements for quality control,
- Priced and contact suppliers for electrical/electronic components.

ADDITIONAL PROFESSIONAL EXPERIENCE

- The Pressure Pipe Inspection Company (PPIC) – Field Technician
- Hendrickson Spring International – Robot Technician and Automation Lead
- Schaeffler Canada/FAG Aerospace – Metrology Instrumentation Technician
- VLM Industrial Automation (Brazil) – PLC Programmer
- FAG Bearings Ltd (Brazil) – Quality Control Auditor
- FAG Bearings Ltd (Brazil) – Industrial Electrician

ADDITIONAL SKILLS/KNOWLEDGE

- HTML5 and CSS3
- Familiar with JavaScript/ES6, Nodejs and JAVA Programming
- Familiar with MongoDB, Mongoose and SQL databases
- Redmine Repository, Subversion and GIT Source Control
- AGILE methodology



Additional Information about skills and professional experience