



Maciej Kolosko maciej@kolosko.com
Blue Cog Software Inc. <http://www.bluecogsoftware.com>
5 Hurst Street, Acton, ON, L7J 3A1, Canada

Summary of Qualifications:

- Over fifteen years of professional software development experience
- Broad and up to date knowledge of modern software development techniques and architectures
- Leader of software engineering teams

Areas of Expertise:

- Architecture design and development of complex software products
- Building systems with the use of NI hardware PXI in particular
- Multi-threaded software development
- Distributed Sensing
- Software Verification & Validation
- Medical Device Development (ISO 13485 & IEC62304)
- Working with huge large data sets
- New Product Implementation

Key Accomplishments:

- Systems Architect working on BRIMS system for the BRUCE power Non-Destructive Examination system.
- As the Site Quality Lead successfully managed the ISO 13485 audit @ ProLucid.
- Worked on several Medical Device Commercialization Projects in both Architect as well as Project Manager positions, both in the EU as well as in Canada
- Designed and developed the software for Silixa's flagship product, the iDAS Sensor which is one of the worlds most advanced fiber optic distributed acoustic sensors.
- Implemented and rolled out a Software Development Process (iSO9001) @ Silixa including design of process flow and installation and configuration of software systems such as Bug Tracking System, Source Code Control that would safeguard the process execution.
- Designed from scratch and rolled out a sophisticated automated test framework(s) for Woodward's PC Service Tools, covering Electrical Control Unit product families that had large variation.

Languages & Frameworks:

- .NET, C#, WCF, WPF
- C++
- Java SE, Java EE, Jython
- G(LabVIEW), Actor Framework, NI FPGA

Professional Certifications:

- **Source Code Control:** Git, SVN, Perforce
- **Databases:** SQLite, MS SQL, PL/SQL, MySQL
- **IDEs:** Visual Studio, Eclipse, LabVIEW, NI TestStand
- **Requirements:** Polarion, DOORS

Skills:

- Agile: Scrum
- Project Management
- Technical Team Lead
- Medical Device Development
- Systems Design



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Career Progression:

Owner and Software Engineer; July 2017 – present

Blue Cog Software Inc. (www.bluecogsoftware.com) as a consultant I've work on various projects. Some examples are – 1-year contract as a Software Architect (Proxy) on a large software project developing a Medical Device for Laborie in Mississauga. Currently I'm working on a robotic assembly line for a customer based in US. I've also done smaller R&D projects for local Ontario Engineering companies as well as customers in the UK. **Acton, ON, Canada**

Sr. Software Product Engineer; March 2017 – July 2017

Advanced Test and Automation (www.advancedta.com) responsible for development of ECTS (Engine Component Test System Platform Software) as well as development of software for sophisticated test stands dedicated to end of line verification of engine components. **Milton, ON, Canada**

Systems Architect; August 2013 – February 2017

ProLucid Technologies Inc. (www.prolucid.ca) I held several roles from Project Lead to Architect on multiple projects mostly in the Nuclear Energy field CANDU NDE Test System as well as Medical Device space. I've also created site operating procedures and managed audits with the ISO 13485 and ISO 62304 standards **Mississauga, ON, Canada**

Owner and Software Architect; October 2012 – August 2013

Kolosko Engineering Solutions LTD. (www.kolosko.com) As a contractor I've worked for **Parker Hannifin** on development of a Class IIB medical device for cancer therapy **Hemel Hempstead, UK**

Staff Software Engineer; Senior Software Engineer June 2010 – October 2012

Silixa (www.silixa.com) I've worked as the Lead Software Engineer on the development of iDAS, a highly-advanced fiber optic acoustic sensor, as well as supported trials and development of several applications of iDAS in the security and seismic fields. I've also participated in preparation of the company's software development process to pass the ISO 9001 audit **London, UK**

Senior Software Verification & Validation Engineer; Software Verification & Validation Engineer May 2007 – June 2010

Woodward (www.woodward.com) I've lead the software tools and verification teams in our local office, as well as worked on creating automated test frameworks for Woodward's service tool platform Woodward Toolkit. I've also contributed to the EOL testing, and developed internal tools used inside the organization to enhance testing capabilities **Kraków, Poland**

Software Development Specialist May 2006 – April 2007

Siemens (www.siemens.com) I've worked on bid preparation and early stages of project analysis for the ESTAT commission in Brussels. I've done proof of concept as well as Java based prototyping **Wrocław, Poland**

Analyst; Intern July 2004 – April 2006

Accenture (www.accenture.com) from a summer internship to a full-time job, I had a great opportunity to work on one of the largest software overhaul projects for one of the polish Banks. I worked on a large-scale project in the technical architecture team dealing with automated deployment of software, as well as development of J2EE web applications **Wrocław and Warsaw, Poland**



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Education:

Master of Science in Electrical Engineering October 2000 - June 2005

Wrocław Technical University, **Poland**

Professional Certifications:

- **Certified Java Programmer**
- **Certified LabVIEW Architect**
- **Certified LabVIEW Embedded Developer**
- **Certified Scrum Master**

Languages: Polish - native; English – fluent; German – basic