

# Associate Senior Embedded Software Engineer

## ROBERT SMITH

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### Objective

Seeking a position in Embedded Software Engineering. energetic and creative software engineer with 15 years plus experience in developing solutions to a wide range of complex technical problems and delivering final products. have experienced all phases of the software life cycle from system requirement, software design, coding, integration, unit testing, and qualification test utilizing DO-178B, waterfall, Agile software development process.

### Skills

Embedded Software, UML, C, C++.

### Work Experience

#### Associate Senior Embedded Software Engineer

**ABC Corporation** - May 2005 – April 2012

- Integrated Caution Warning Advisory (ICWA) of Crew External Interface (CEI) of C130 Avionics Modernization Program (AMP).
- Designed, developed, tested and documented of ICWA Computer Software Component (CSC). ICWA CSC provides alerts to the crew related to operational capability.
- Displayed on the Multi Function Display (MFD), Head Up Display (HUD) as color coded Warnings, Cautions and Advisories.
- Provided all aural warning from MP to Inter Communication System (ICS), Engine Exceeding Log and CAS Event Log.
- Utilized ARINC 653, ARINC 610, VxWorks, and ATC for qualification testing.
- Used Vector Cast for code unit test.
- Used DOORS, MS Word, Excel for Software requirements and traceability tool.

#### Senior Embedded Software Engineer

**Delta Corporation** - 2001 – 2005

- Designed, developed, debugged, tested and system integration of BIOS software for high end server product line.
- Performed server board and workstation BIOS porting.
- Devised module codes for development.
- Provided engineering support to OEM BIOS.
- Provided engineering support to customer BIOS issues Developed and debugged BIOS applying knowledge of computer architecture and system design.
- Worked with hardware engineer in Platform bring up.
- Verified BIOS System specification Controlled of project schedule from design phase to production.

### Education

B.S. in Electrical Engineering - (Mc Master University - Hamilton, ON)