

**OW3 Software Services LLC
Wes Dodd**

**128 S Whispering Hills DR
Naperville, Illinois 60540
630-357-5156**

wesdodd@ameritech.net

Over 25 years of embedded application development for various hardware platforms and Real-Time Operating Systems.

- Experience with many 8, 16 and 32-bit CPUs including x86, ARM7, Coldfire, PowerPC and HCS08 (Freescale) and Lantronix DSTni-LX and DSTni-EX embedded processors.
- Extensive experience with C and various ASM languages. Familiarity but limited experience with C++, JAVA and Visual Basic.
- Experience with programming QSI terminals using the Qlarity programming language.
- RTOS experience includes RMX86/286/386, Nucleus, pSOS and DSTni-OS. Have also developed many small RTOS-free applications using only a main loop and interrupt-driven device drivers.
- Extensive experience developing device drivers for Ethernet, CAN, serial I/O, USB, I2C, SPI, serial flash, parallel flash and dual-port memory interfaces.
- Protocol experience includes TCP/IP, XMODEM, CANopen, Modbus, SPI (Society for Plastics Interface), and custom serial protocols. Experienced with protocol analysis tools including Etherreal, Netmon, CANalyzer and serial protocol analyzers to verify and debug communication protocols.
- Development tool experience includes GNU, Paradigm, Borland, Watcom and Code Sourcery compilers; Eclipse, Freescale, Paradigm, Borland and Watcom IDEs; Logic analyzers, oscilloscopes, voltmeters, in-circuit emulators and JTAG debuggers.
- Strong experience as a problem solver, using debug tools and methodologies to identify and correct the sources of esoteric problems.
- Able to read schematics and work with hardware developers to help specify, design and debug hardware. Have extensive experience writing test software to verify hardware designs and builds.
- Excellent communication skills. Have written requirement docs, specifications, detailed design docs, end-user manuals, test plans and test reports. Samples of writing available upon request.
- Graduate (BS/EE, 1980) of the University of Illinois having over 25 years of embedded software development for several major companies including Zenith, 3Com, Ameritech, Intel, General Dynamics, IBM (Federal Systems Division), NASA, Lantronix and GE Aerospace. Chicago-area companies I have done work for include Fast Heat in Elmhurst, Grid Connect in Naperville and Contemporary Controls in Downers Grove.