

Craig Hamilton

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Summary

I am a software engineer with over 16+ years experience designing and developing solutions targeting both embedded and desktop platforms.

- Strong C and C++ development experience.
- Experience with embedded system bring up.
- Current experience with developing solutions for Linux, Windows, Windows Mobile, PalmOS, MacOSX.
- Excellent problem solving and analytical skills.
- Highly motivated, enthusiastic, hard working, dependable, and a good team player.

Skills

Programming Languages: C, C++, Java, C#, Assembly, Visual Basic, Javascript, SQL (Oracle and MS)

Operating Systems: Linux, Windows, Windows Mobile, Palm OS, MacOS X (Not Expert), Geos

Hardware Platforms: x86, Sharp ARM9 SoC, TI-OMAP, Atmel AVR, 8051, Nokia 9000i

Development tools: Visual Studio (many versions), gcc/gdb, JTAG, Logic Analyzer, Windows DDK, Keil for 8051, IAR for Atmel AVR, Code warrior

Protocols: TCP/IP, I2C, some USB, x10 controller as a hobby, COM/DCOM

Database experience: Oracle, MS SQL, Sqlite, Sybase Ultralite, JET, ODBC, JDBC, ADO.NET.

Employment History

April 2005 to Present *Palm, Inc.* Title: Senior Sw Engineer (at hire)/Manager CoreOS Networking (current)

- Designed and Implemented networking middleware solutions for webOS in C/C++.
- Designed and Implemented GPS solutions for Palm's Windows Mobile Devices in C/C++ (Foundation work still being used in Palm's webOS platform).
- Designed and Implemented MMS 1.2 stack per OMA standards in Java.
- Designed and Implemented SMS/WAP Messaging Router solution for webOS Platform
- Debug Linux networking stack issues in the kernel.
- Developed and Maintained webOS applications to improve certification and field tester efficiency.
- Designed and then Managed a team that implemented Palm's webOS Doctor recovery tool in Java.
- Initial Designed plan for making Palm's Smartphones OMA-DM capable and supporting FOTA.
- Managed the team that implemented and supported certificate services for Palm's webOS platform.
- Maintained and Supported webOS Novacom driver rollout for MacOS, Windows, and Linux platforms.

Feb 2003 to April 2005 *Sparton Electronics Medical Solutions* Title: Senior Software Engineer

- Developed OS/System software in C++ using IAR for the Atmel AVR Processor to drive a Rapid Blood Infusion Pump.
- Integrated a Linux Kernel Distribution and Developed System software/drivers in C/C++ using GNU gcc for the ARM processor to drive a gynecological incontinence diagnostic tool.
- Developed a Java/J2EE parts management help request system for internal use.
- Responsible for the design and implementation of software for embedded medical devices.
- Team Lead for software development efforts for medical devices.
- Developed software documentation that needed to be compliant with FDA guidelines.
- Created project schedules and managed software resources to bring the projects in on time and budget.
- Performed Software Design Formal and Technical Reviews.

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Dec 2001 to Dec 2002 *SAT Corporation* Title: Senior Software Engineer

- Responsible for the design and development of the PocketPC software for IntelaTrac 2.x and the eventual 3.0 release.
- 12 months of working with Microsoft.NET(Primarily C#) with 8 months professional experience.
- 6 Months experience with the CE version of the .NET framework.
- Worked extensively with ADO.NET/Winforms/ASP.NET/Remoting/WebService .NET technologies.
- Supported and Extended a JBoss J2EE Web Reporting solution that implemented Java Beans, JDBC, and JSP/Servlet pages
- Evaluated and wrote business cases for outsourcing device driver conversions for the Symbol 2234
- Brought current IntelaTrac 2.x Client for PocketPC to release status. This software was built using Embedded C++ 3.0.
- Developed solutions for the Symbol 8100/2800(WindowsCE) and Symbols 2234 (Windows 95)

Aug 2000 to Apr 2001 *SMSC* Title:Contractor working for System Pros

- Using gcc developed virtualized devices that integrated with VHDL for chip synthesis

June 1998 to June 2000 *Symbol Technologies* Title:Contractor working for System Pros

- Brought up PocketPC 3.0 OS on the Symbol 2700 Barcode scanner platform.
- Developed Validation Test applications for the Symbol 2700
- Developed software library SDK and driver for the Symbol PalmOS Handspring Barcode scanning module.
- Worked with Symbol Technologies to develop GSM/Tetra SMS applications for London's police force.
- Developed Windows Mobile RFID Driver software for Symbol devices.

Feb 1998 to June 1998 *Union Carbide Corp* Title: Contractor working for Momentum

- Developed VB 5.0 applications using Jet/ODBC/OLE/MAPI Technologies.

Sept 1996 to April 1998 *Synaptix(Startup)* Title:Software Engineer/Network Engineer

- Maintained networking hardware and software infrastructure
- Developed a Client for Synaptix's mobile forms based server in C.

June 1996 to June 1997 *Shell Oil* Title:Contractor working for RCG

- Developed Java Applets for an RCG Intranet Web Site
- Developed Visual Basic and Visual C++ Client/Server programming for Exchange Server, Oracle ODBC, Jet databases, and Scanning software
- Client/Server Project Utilized Winsock Communication and DCOM programming.
- Designed and Created Installations scripts using Wise, and Install Shield
- Engineered and Supported a Winframe 1.6 Citrix Server

Aug 1995 to June 1996 *JSC NASA* Title:Contractor working for Boeing Technical Services

- Team Lead in Support of the Astronaut office at Johnson Space Center.
- Installed and Configured a Slackware Linux terminal server for serving VAX terminals.
- Developed and Implemented an NT Network Design for the Shuttle Division that included: SMS1.1 / SQL6.0 / DHCP / NT351 / FPNW / Windows95 / MS Exchange
- Engineered/Programmed Scheduling and Biographical Databases in VBA Access 95
- Wrote Visual C++ Application to streamline and reduce support costs.
- Developed VBDOS Menu system for Support Boot Disks

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April 1995 - Sept 1995 *Jefferson Associates Inc.* Title: LAN Specialist

- Designed and Implemented a Microsoft NT 3.51 network system for HISD and its 267+ schools Using DHCP/WINS/DNS/SMS1.1/SQL 6.0 NT Server solutions
- Configured Routers for ISDN/FDDI and Used Netview for AIX for monitoring




May 1992 to April 1995 *JSC NASA* Title: Contractor working for CSC/Grumman Technical Services

- Developed Help Desk Software Using Visual C++ 2.0
- Unix System Administrator
- Exposure to Sun Net Manager/Trakker Software and other network management tools
- Developed Database solutions for Networking information and action items for the IP/Appletalk/IPX network
- Evaluated beta software for use by our service center including Windows95 and MS Exchange
- Full Support for 300 users on Macintosh, Linux, Solaris, NT WS, DOS, WFW 3.11

Patents

- I currently invented or have been listed as a co-inventor on 14 Patents that have been filed by Palm, Inc. with the US Patent office.

Special Awards

	Eagle Scout Award: I earned the Eagle Scout award by excelling in the areas of leadership communication and intelligence.
	Microsoft Certified Systems Engineer (MCSE): Test taken to earn this are as follows: Microsoft Certified Service Engineer Core required test, Inter-networking NT with TCPIP, Exchange, and Systems Management Server tests. ***Certification is not current
	Microsoft Certified Solution Developer (MCSD): Test taken to earn this are as follows: WOSA I and WOSA II, Visual Basic 4, and Developing application with MFC. ***Certification is not current.

Training and Education

- Certificate of training from Eclipse for Windows CE 2.11 Platform Builder
- Certificate of training from Geos for Geos Software Development (Nokia 9000i OS)
- Certificate of training for Visual C++ / MFC Version 2.0
- 3.5 Years Stephen F. Austin State University: My course work for my Computer Science degree gave me some excellent chances in configuring and exploring the workings of networks and specifically Internet connectivity from supporting the computer labs for 2 years.