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ATTN: Rick Harlow:

Subject: Resume Cover Letter

Thank you for taking the time to review my resume. I am interested in obtaining the position of Software Engineer or Sr. Full-Stack Developer with your organization. I am a veteran Software Engineer with extensive project management and development experience in many industries using a diverse skillset. I hold a Bachelors Degree of Applied Science: Electronics Engineering Technology. I received an honorable discharge from US ARMY as a Specialist (E-4), where I was a secure communications equipment repair technician (COMSEC).

Currently I work as a sole proprietor und the name WOLFSinc as a Sr. Software Engineer/Project Manager Consultant. I am working on contract that is nearing its end and am not expecting them to have additional work for me at this time, although they may assign me another project with little. I am seeking other opportunities either contractual or as a full-time employee.

My current client began with a two, to six, month project assisting them with some programming and documentation. Since that time, I have been awarded three additional contracts extending my services from April 2013 to present. The first major project was to design a centralized web based SCADA system for Passenger Boarding Bridges (PBB), Portable Cooling Units (PCA), 400Hz Ground Power Units (GPU), and other mission critical systems used throughout airports nationwide. The system would allow these existing SCADA/HMI systems to continue running as is, while allowing them to be integration into the new system. The last two projects were extensions and revisions of the initial project.

I have 30 years progressive technical and management experience working in a wide range of industries such as:

Consulting – 9+ yrs	Airport Services – 6 yrs	Electronics – 6+ yrs	Military – 4 yrs
Healthcare – 5+ yrs	Manufacturing – 5+ yrs	Sales/Services – 4+ yrs	Educational – 4 yr

I have 21 years progressive Full-Stack development experience utilizing diverse skill sets. I have developed applications such as:

Web Site Development	Data Analysis	Medical Ins. Claims Processing
Data Entry/GUI	Warehouse Management Systems	System Management
SCADA Monitoring Application	Imaging and OCR	Gaming and Educational
EDI Processing	Process Automation/Tuning	POS

My skill set also includes:

IT/Electronics Management	SQL Server/Sybase DBA	Plant Engineer
Project Management	Network Administrator	Technical Writing
Electronics Engineer	Training/Tutoring	And More

My problem solving, and analytical skills, have always proven to be an asset in resolving issues of quality, productivity, and reliability of the company's products or services. I believe in not only being a team player, but assisting in the building of strong teams, whether as a team member or in a management/team lead role. My professional skills have proven beneficial to my employer's by ensuring accurate project planning, cost analysis, accountability, documentation and daily statistics of any projects assigned.

Thank you for taking the time to review my resume. I am anxious to hear from you, so I can start putting my professional and technical skills to work for your company.

Sincerely,

Crane Whitehead
Sr. Software Engineer/IT Manager

Enclosed: Resume, Work History

Resume

PROFILE: Specialized in Full-Stack development and support of software applications. Sr. Software Engineer/IT Manager with 30 years progressive technical and management experience. Strong problem-solving ability which analyzes/diagnoses situations to implement solution's which effect lasting resolution. Management/team lead of IT and electronic departments ranging from 3 to 35 employees. Extremely diversified skill set in development and electronics across multiple industries which ensure flexibility and ingenuity. Interested in a challenging opportunity as a Sr. Software Engineer or IT Manager, where I use my past successes to guide and direct the efforts of a Hi-Tech company.

EDUCATION: ITT Technical Institute, Murray, Utah 1996-1997
Bachelors of Applied Science, Electronics Engineering Technology, **3.6 GPA**, Honors

North Lake College, Irving, TX 2002
Certificate of Completion, Visual Basic 6.0 development Level 1 and 2, **4.0 GPA**

MILITARY: US ARMY - 1987-1991, COMSEC System Equipment Repair,
ETS rank - E-4, Honorable discharge. **Held Security Clearance: Secret**, 1987-1991

EXPERIENCE:

AREAS OF EXPERTISE

Software Developer – 23+ yrs	Project Management – 13+ yrs	Instructor/Trainer – 11+ yrs
Full-Stack/Lifecycle Developer – 21+	Network Support/Admin – 13+ yrs	Electronics Tech/Engineer – 10+ yrs
Software Engineering – 18+ yrs	Management/Team Lead – 12+ yrs	Sales – 5+ yrs

PRIMARY INDUSTRIES

Consulting – 9+ yrs	Healthcare – 5+ yrs	Manufacturing – 5+ yrs	Sales/Services – 3+ yrs
Airport Services – 7 yrs	Electronics – 5+ yrs	Military – 4 yrs	Educational – 3 yrs

QUALIFICATIONS:

PROGRAMMING

Net (C#, VB, ASP) – 10 yrs	Win32 API – 7+ yrs	Turbo C, C/C++ - 5+ yrs	QBasic – 3+ yrs
SQL – 8+ yrs	Java – 7+ yrs	Captiva FPL* – 5+ yrs	Coffeescript – 3 yrs
VB 6.0 – 8+ yrs	Javascript – 5+ yrs	Active X – 4+ yrs	DB2 (AS400) – 2+ yrs
HTML/CSS – 8+ yrs	MS Access/Sybase – 5+ yrs	PowerBuilder 6.0 – 3 yrs	PHP – 2+ yrs

* Captiva FPL is a cross between Cobol and Basic

FULL-STACK DEVELOPMENT / SUPPORT

EDI* – 12+ yrs	Graphical Applications – 7 yrs	Inventory Control – 4+ yrs
GUI/Data Entry – 11+ yrs	Windows services (C#,VB) – 7+yrs	PDF Creation – 3+ yrs
Data Analysis – 11+ yrs	Process/System Tuning – 7+ yrs	OCR – 3+ yrs
Process Automation – 11+ yrs	Web Services – 6+ yrs	POS (EDI, Reporting) – 3+ yrs
File Management – 10+ yrs	Imaging – 6+ yrs	OPCSYSTEMS.NET integration – 2 + yrs
Web Application (.NET,AJAX) – 8+ yrs	Ecommerce – 4+ yrs	Hardware/Firmware Interface – 2+ yrs

*EDI: XML, ANSI, EBCDIC, X12, NSF, RIMS, Binary, GENTRAN (2yrs), and Custom EDI file creation/extraction, support, transfers across multi-formats and OS platforms

OPERATING SYSTEMS / MISC. SOFTWARE

Windows (All) – 20+ yrs	Word perfect – 7+ yrs	Novell/NetWare – 3+ yrs	Visio – 2+ yrs
MS Office Suite – 17+ yrs	MS Project – 5+ yrs	UNIX and OS/2 – 3+ yrs	AS400 – 1+ yrs
MS-DOS – 16+ yrs	MAC OS – 5+ yrs	iOS – 2+ yrs	Linux – 6 mo.

NETWORKING / ELECTRONICS

IBM X86/88 PC Repair/Upgrade – 17+ yrs	DHCP, WINS, DNS – 5+ yrs
Schematic Analysis/Trainer – 12+ yrs	Wi-Fi 802.11 a/b/g Install/Support (WAP) – 6+ yrs
Analog/digital circuit analysis and repair – 9+ yrs	Telecom Encryption/Decryption – 5+ yrs
Security (Electronics/Software) – 8+ yrs	Analog/digital circuit design – 4+ yrs
Network Admin/Support (Novell/NT) – 8+ yrs	PLC Ladder Programming* - 4+ yrs
TCP/IP, IPX, NetBIOS, HTTP protocols – 8+ yrs	Modem/LAN card (EDI and PCMCIA) repair – 2+ yrs

* PLC Programming in Beckhoff (IEC 1131-3 and Ladder), Allen Bradley (RS Logics) and Direct Logics (DirectSoft).

COMMUNICATIONS / PROFESSIONAL

Verbal/Public Speaking	Technical Math/Business Math	Organizational/Office Skills
Technical/Professional Writing	Team building	Creative and Artistic Skills
Self Starter	Motivational Training	Marketing and Distributive Ed.

Work History

Apr 13 – Present WOLFSinc (JBT AeroTech) Job Title: Sr. Software Engineer **Conroe Texas**

Qualifications: Project Manager, Sr. Software Engineer, Full-Stack development of Web Based Operations Management SCADA software solution for Airports, Electronics Engineer, Networking, IT Support, Technical Writer

Skills: Coffeescript, SASS, Grunt, node.js, MVC 5, .NET 4.5, HTML5, ASP.NET Razor, C#, Telerik MVC Toolkit, IIS, SQL 2012, EDI, SCADA, Electronics Analysis, OPCSystems.NET, technical writing, Windows 2k-8.1, OS2, Project, Visio, Sketch Up Graphical Design

Achievements: Successfully designed and developed SCADA system airport systems. Assisted in the migration from MVC 5 solution to Coffeescript solution. Implemented detailed testing procedures and documentation to reduce the bug count in the production system.

Sept 12 – Apr - 13 Signazon.com Job Title: Sr. Software Engineer **Mesquite Texas**

Qualifications: Sr. Software Engineer, Full-Stack Development, EDI, SQL Server DBA, Website and C# Windows Applications/Services Implementation and support.

Skills: C#, ASP.NET 1.0-4.0, IIS, SQL 2010/2012, EDI, Windows XP/Server 2012, EWS Managed API 2.0, Exchange 2010/2013.

Achievements: Development and support of custom print ordering websites and integrated CRM solutions. Implemented an integrated email solution for the marketing pages within the CRM system using EWS Managed API 2.0 for MS Exchange 2013, utilizing custom designed transport agents for data scrubbing and data population. Added automation of file processing from prepress to production by utilizing barcode scanner and JDF, to import the file into the production printing software.

Jul 09 – Sept 12 IntegraColor Job Title: Sr. Software Engineer **Mesquite Texas**

Qualifications: Project Manager, Sr. Software Engineer, Full-Stack Development, EDI, Technical Writing, SQL Server DBA, Website Implementation and support.

Skills: C#, ASP.NET 1.0-4.0, IIS, SQL 2005/2008, T-SQL, EDI, Gentran, technical writing, Windows XP, Mac OS 9/10, PDF Express, InDesign Server, Adobe Graphics Server

Achievements: Full-Stack development and support of custom print ordering websites and integrated EDI solutions. Redesigned the EDI processing, decreasing processing time by 35% and reducing support efforts by over 95%. Successfully redesigned and supported over 16 websites, increasing performance, enhancing the users experience while reducing the time to completion of tasks on the site. Implemented proper error handling and troubleshooting techniques which has reduced the support efforts and downtime of the websites by an estimated 60%.

Jun 07 – Apr 09 JBT AeroTech Job Title: IT Project Manager / Sr. Software Engineer **Dallas Texas**

Qualifications: IT Manager, Project Manager, Sr. Software Engineer, Full-Stack development of Web Based Operations Management SCADA software solution for DFW Airport, Electronics Engineer, Networking, IT Support

Skills: C#, ASP.NET, VB.Net, IIS, SQL 2005, T-SQL, SSIS, EDI, SCADA, Electronics Analysis, PLC Programming, UltiVist ICP Programming, OPCSystems.NET, technical writing, Windows XP, OS2, Sketch Up Graphical Design

Achievements: Successfully integrated several systems for the DFW airport, ranging from Bag Handling Systems, Jetway Bridges, preconditioned central air units, Fixed Ground Power Units, HVAC system, Escalators, Revolving Doors, Air Curtains and more into a .net, AJAX enabled, web based monitoring application, including mobile web pages. Overcame obstacles such antiquated software running on Warp OS2, installation of new PLC modules for analog controlled systems and utilizing existing technologies for data extraction via OPC Servers, SOAP, XML and custom .NET windows services.

Nov 05 – Apr 07 WOLFSinc/Matrix Resources (Consultant) Job Title: Senior Consultant **Desoto Texas**

Qualifications: Sr. Software Engineer, Full-Stack Development of EDI, OCR, Data Entry, Inventory Control, RF technician, PC Technician

Skills: VB 6.0, QBasic, Win32 API, ActiveX, Pegasus OCR SDK, SQL 2000/2005, MS Access, T-SQL, ODBC, SSIS, C#, Stored Procedures, technical writing, Windows XP, DOS, MS Source Safe, GSM Cellular E911 testing, PC Repair/Upgrade, PC System Analysis

Achievements:

- Successful design and development of a full scale OCR solution for processing medical billing statements.
- Assisted in the successful development/modification and implementation of six key Data Entry and EDI modules using QBasic for compatibility and VB 6.0 to allow the merger of the two core POS applications during the Phase II project. Developed several tools in VB, MS Access and SQL to reconcile the data stored in the database with the EDI files.

Feb 03 – Nov 05 Cardinal Glass Industries Job Title: IT Manager/Plant Engineer **Waxahachie Texas**

Qualifications: IT/Project Management, Full-Stack Development of EDI, Data Entry, Analysis, Reporting, Inventory Control, System/Network Security, Building Security, Manufacturing Control Software And PC Repair/Upgrade.

Skills: VB 6.0, Win32 API, MS Access, Pervasive SQL, MS SQL, Turbo C, DB2 (AS400), ODBC, ADO, Novell/NT Network Administration, AS400 Operations, Technical Writing, Windows, DOS, OS2, PLC Programming, VB.NET, Digital/Analog Electronics Analysis.

Achievements: Implemented and managed the IT department. Supported 130+ PC's/laptops, 8 servers, and Novell/NT networks. Reduced downtime by over 93% for two years. Automated management tasks resulting in reduction of meeting times by approximately 85%.

Work History

- Apr 97 – Nov 02 HealthAxis Inc.** **Job Title:** Data Entry/EDI Software Engineer **Irving, Texas**
Qualifications: Project Management, Management, Software Engineer, Full-Stack Application Development, EDI, Imaging, OCR, Reporting, Technical writing, Helpdesk support.
Skills: VB 5.0/6.0, SQL 2000, PowerBuilder, MS C/C++, Turbo C, Captiva FPL, QBasic, Sybase, ODBC/ADO/DAO, Windows, DOS, Unix and RS6000
Achievements: Implemented several methods of code reduction or enhancements to develop standardized reusable code reducing development time by 50%, increase performance, reduce maintenance efforts, overcome development limitations and solve other unique environmental or business rule related obstacles. Researched and developed a method of updating multiple indexes in the Captiva product, reducing index building time from an average of 16 hours down to an average of 1 hour. Developed and implemented several programs to automate the EDI file preparation and database building process.
- Jun 84 – Apr 97 Miscellaneous jobs** to include Rework Supervisor for 3COM/US Robotics, ITT Technical Institute (Development of Library Inventory Management System, Substitute Instructor, Tutoring, Lab Aide and Library Assistant), US ARMY (MOS 29S - COMSEC), Construction, Roofing, Security Guard, laborer, cook, cashier, delivery, miscellaneous sales, paper delivery boy/sales, Lawn care/ Snow removal/odd jobs services.