

Anthony Montibello

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March 1, 2010

Career Objective

I am seeking a software developer/team technical leadership position to apply my eight years of best-practices and technical experiences. I am looking for a challenging opportunity that requires problem solving and will allow me to continue to grow my professional career and contribute to my employer's/customer's success.

Summary Technical Skills

C/C++, C#, VB, Java, J2EE XML, HTML, CSS, PHP, TCP, UDP, HL7, EHR, PDF, '.Net' 3.5, 2.0, 1.1, Fortran, Pascal, LISP/Scheme, JavaScript, Bourne Shell, C Shell, Korn shell, Pearl Script, SQL, VS2008, Assembler, Web Solutions, CVS, Source Safe, SOA, SOAP, Object Oriented Design & Programming, Structure System Design & Analysis, Project Management, Other Proprietary Languages, Develop Window Services and Event Logs, Network Protocols, Data Structures, Microsoft Windows (NT,2K,Server,XP, 7), HP-UX, Linux, algorithm development, Networking & LANs, Nagios, Server hardware, RAID, Storage, SCSI, Switches, Backup & Recover systems, Disk Arrays, Blade Servers, Microsoft Office, Visio, Word, Excel, Outlook, Power Point, Google Analytics, Visual Studio, Expressions Studio 3, Fireworks, Photoshop, CAD, IIS, Web Hosting, PUTTY, SSH, Anti-virus/spy-ware, messaging practices, project management, Additional Application software & Open Source tools, Network Printers, Line Printers, Wide Format Printers, and other office equipment

Work Experience

TenEleven Group Incorporated (www.10e11.com)

Oct 2007 - Feb 2010

Position: Technical Leader and Advanced Application Developer

eCR (Electronic Clinical Record) Suite -- Design, Development, Test and Demo

- Redesigned, developed and demo-ed a **working Object Oriented EHR** and multi-tier system written in C#
- Evolved the original structured eCR program through rapid-development to a 50 concurrent user system
- Led team, guided management and deployed the eCR system and trained key personnel
- Designed, developed and integrated into eCR : Ad-Hoc Reporting, HL7 Interface, Messaging Alerts modules
- Designed **custom controls** in MDI Interface: (eliminated 90% of previous lines of code)
 - Designed common controls to behave with same look & feel in a consistent way with minimal lines of code
 - Reduces programming maintenance through the control library by streamlining common behavior, intuitive user interface, allowing rapid creation or refactoring of controls as requirements evolved
- Designed the architecture of the structured **workflows**:
 - Created complex frameworks to model real world aspects of paper chart into **Patient Electronic Records**
 - Designed for data dynamically driven by database with an eCR UI for customization without coding
 - Examples include: Chart Status, Chart Structure, Clinical Progress Note, Treatment Plan/Review, Form Library, User Permissions, User Credentials, Client Form **Electronic Signatures** that validate user Credentials and Permissions, Activity Audit System, Chart Minimizing, Auto Opening Client Records/Forms from Messages
- Designed **Custom Base Forms** that all screens inherited from:
 - Each user interface screen can behave in 10 different modes, all inherited from the base Forms
 - **Custom Base Forms** in conjunction with control library and my Excel templates reduced the conversion of 20 page paper form from 3 weeks to 2 days
 - Base Forms handled flow path execution for all screens while the inherited screens contained the details of the individual controls, allowing for predictable flow and the ability to pinpoint issues within moments during troubleshooting
- **Change Control** performed as new requirements emerged by providing: estimates of time, proposed solution, implemented system changes, managed source libraries, SQL change scripts & release document updates
- Initiated and designed the OASIS Rule Base Implementation that forced user to be in compliance
- Strategic design inclusion for virtualization of the eCR system with existing resources:
 - Messaging System, File Attachment, Scanning and Core Images & SQL Database
 - Reduced developer's deployment and migration time by using configurable network resources

Custom Workflow Messaging System -- Design, Implementation and Deployment

- Initiated original design of a real-time messages system allowing instant refresh of security and payload data
- Passive approach to eCR awareness of application users and running in parallel without affecting performance
- Workflow rules driving client compliance messages (Clinical Alerts) by day, week, month and/or year
- Dynamic Complaint rules driven by a client user interface -- no programming effort required for expanding rules
- Expendable custom message protocol wrapped in **XML** reduces time to market by implementing new changes quickly
 - Reduced time-to-market for new rules/workflows from weeks to days using *Custom Workflow Messaging*

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Ad-Hoc Reporting -- Design, Implementation and Deployment

- Stand alone application for ad-hoc reporting of SQL/ Access reports – launch independently or remotely
- Encrypted XML structure back end obfuscates database allows custom mapping of data between databases
- Eliminated developer's need to compile custom report per client request or help desk's need to access database
- Increased data security, by enable help desk to perform custom reports by accessing database in read only

HL7 Data Interchange Model -- Design, Implementation and Deployment

- Developed an original HL7 engine based on a 4 layer model. (focus on ADT, Labs)
- 4 Layer Model: (Transport; HL7 Objects; eCR Objects; Database) – allows eCR to be used in a hospital setting
- Worked with customer to test and validate protocol version release and control – new medical data exchange

MontiTech Consultant (Founded and Operate MontiTech)

Jan 2001 – Present

Consultative Services for Multiple Clients

NC Net Project for Nagios (Initial Release 2005)– Opensource License & Owned by Tony Montibello

- NC_Net is a network service that provides real-time performance data from Windows to Nagios
- Distributed on Sourceforge.com & used worldwide by small and large enterprise networks
- Implemented in C#, with new releases every year. (consistently averaging 1000 downloads a month)
- Expands functionality of original Nagios windows plug-in from 8 commands to 100, revised communications to push/pull method, and allows 90% remote administration and control

Other Intellectual Property Created and Deployed with Maintenance as Contractual Work Products

- XML output stream for the NC_Net engine, drastically reducing license fees of commercial monitoring products
- YAACID, an Asterix (VOIP system) caller ID toolbar and pop-up application for windows
- Enhanced several Java network applications for reporting with procedures for monitored alerts & activities for clients
- Improved Client's Nagios operation using CVS and completely overhauled configuration files using object inheritance
- Automated management for client/server backups across multiple domains, increasing reliability to over 99%
- Utility and tools that proactively create logs to monitor abnormal behavior, resulting in improve operation uptime
- Tools and maintenance of mail and forum supporting NC_Net, as well as, support to the Nagios User List
- Shell scripts for automation of daily manual processes and automated procedures for monitor activities
- Market feasibility product, prototype of "Connect4 on a Chess Board" in Java

Web Design and Programming

- Designed and implemented eCommerce store implemented in PHP / MySQL Website
- Utilize and Customize OpenSource solutions to fit client needs
- Web solutions, web programming parts and tools for website implementation and SEO
- Maintain and administer 15 web domains and created software assets, see creativewebactions.com

Consultative Services for Client Side Support

- Designed and implemented home/small business IT infrastructure and networking
- Help desk, training & technical support of hardware & software. Resolve both onsite and remote client trouble with networks, printers, applications, Windows (all versions: home and servers), spy ware and viruses. configure routers, anti-virus, email, Unix OS and specific applications including Excel, Word mail merges, Outlook, email filtering

Education, Technical Certification and Additional Training

- Sacred Heart University, Fairfield, CT - BS, Computer Science, May 2003 GPA: 3.98- Honors: Medal in Programming; several undergraduate research projects.
- AAS Mechanical Technology; AS Engineering Science. Dec 1995 GPA: 3.95, Phi Theta Kappa
- A+ Certification, August 2002
- MSDN Professional Subscriber Since Jan 2006
- Registered Microsoft Partner. Since Dec 2005
- HP Netservers for HPCE offered by HP in Gaithersburg, MD, Jan 1999
- Customer Service Web course provided by ARC Spring 2000 and hands-on experience
- HP-UX administration, and advanced user, CD-ROM Dec 1998 and hands-on experience