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| About Me | | |
|  | * I am passionate about my work - it's not simply a job. * I want to work where my skills are challenged and I can learn new things. * I don’t believe in giving up or settling for “good enough” – I demand better than that of myself. * I consider myself extremely lucky to be paid to write and break code; it’s both a hobby and profession for me. | |
| Technology | | |
|  | Code: For the last few years I’ve been working in primarily in C# and VB, before that much of my time was spent with PHP; for personal & open source projects I'm focusing on Ruby. I know my way around C, Java, Python and perhaps a few others, but not well enough to claim any expertise.  Security: I have a knack for breaking things; I leverage my knowledge of developers to choose approaches that others miss. I enjoy system analysis and reverse engineering - both desktop and mobile. My free time is often occupied with independent research, and I've discovered issues in numerous products.  Source Control: I’m familiar with Git, Mercurial, and Subversion. I’ve used SourceSafe and CVS, but I’d rather forget those.  Operating systems / software: Windows, Linux (Ubuntu & Backtrack primarily), and OSX. Visual Studio, Microsoft Office, Adobe Photoshop & Dreamweaver, Fiddler, Wireshark, Eclipse. Metasploit, w3af, soapUI, and various other tools. | |
| Experience | | |
|  | | **I am currently** the Application Development Manager at Advanced Call Center Technologies, LLC in Johnson City, TN; I have been with the company since December of 2005.  I currently manage a team of eight developers, both local and remote. My responsibilities include:   * Pen-testing applications prior to deployment. * Ensuring compliance with security standards. * Designing, and reviewing other developer’s designs for system architectures. * Mentoring new developers. * Auditing implementations to ensure compliance with various certifications (PCI-DSS, ISO 27002, etc.), as well as client security policies. * Designing application architectures and managing implementations. * Developing applications and tools in C#.   During my time here, I believe I have achieved many things:   * Attitude change to think about quality and security first – instead of “just fix it later.” * Led effort to update applications to be compliant with PCI-DSS. * Designed a new internal framework that reduced turn-around time by 20% to 30% for large requests and up to 80% for smaller requests. * Migrated source control away from Visual SourceSafe to Mercurial, and implemented a continuous integration system. * Standardized data access, security, and other sensitive code into a standard library to improve security and consistency. * Replaced various third-party communication/integration libraries with fully-managed custom implementations (digital voice recorder, PBX, Avaya dialer). * Led development of Python/MongoDB system that improved application performance and reduced dependence on Oracle.   **From 2001 to 2005** I worked as an independent contractor and as a co-founder of an ISV. During this time I built a number of interesting systems:   * Custom e-commerce systems in PHP/MySQL. * Customized ASP/SQL Server commercial e-commerce system. * Various web sites in PHP/MySQL, some simple; some were effectively custom CMSs. * Various desktop software (processing tools, RSS client, IRC client, Gmail client, network monitoring, etc.). * Custom sales system to sell cars on eBay.   During this time I also performed security audits on client sites, provided software and hardware support, and various other IT-related functions. |
| Open Source & Community | | |
|  | | I blog on security and development related topics, and stay engaged with the community via various social services. I was a moderator on what was once the largest forum for Visual Basic developers (XtremeVBTalk.com), and received their highest peer-voted award for knowledge.  I’ve contributed to a number of open source projects, including bbPress, ccsrch, and others. I’ve also managed a few open source projects – the most interesting of which was a fault-tolerant load balancing system for an IRC network that provided much better leveling that DNS round-robin could. |
| Education | | |
|  | | From 2001 to 2003 I attended Florida Metropolitan University in Melbourne Florida working towards a degree in Computer Information Science. I completed all major-related classes with a 4.0 GPA, and I received multiple Dean’s & President’s List awards during my time there. Unfortunately I did not complete the program due to a family illness. |