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PROFESSIONAL SUMMARY

Having started programming in C++ at the age of 11, coding hasn't just been a job for me, it's a lifestyle. Whether it's been doing projects in my homelabs over the years, being webmaster for ACM in college, or being a lead developer at a company, sometimes even freelancing to pay the rent, software engineering has been a major part of my life. Between coding, system administration, and even being a security auditor, I've experienced IT from all angles. I like to think of myself as a Jack of all trades, master of none, but in most cases better than a master of one. Given a little time, I can hit the ground running with anything.

PROFESSIONAL EXPERIENCE

DOD, US ARMY CORPS OF ENGINEERS, Computer Scientist, Vicksburg, MS, Sep 2012 - Present

- Wrote a small command and control based botnet in C++ for a virtual laboratory
- Performed Windows administrative work on a Virtual Desktop Environment (VDI) with VMWare
- Created Powershell Script for automating user entry into Active Directory (AD) to save hundreds of hours of labor instead of entering it manually through the GUI
- Created a SharePoint website for users to get access to information and procedures needed to apply for an account
- IAT II assisted senior admin with software installs
- Answered hundreds of helpdesk tickets assisting users with account problems, software installs, and connection issues
- Ensured access to export controlled codes and data was kept private by use of file permissions and handled by DOD and Army Regulation standards

IKANOW, Freelancer, Clinton, MS, Sep 2013 - Dec 2013

- Created Enterprise RPM for the Infinit.e software for Amazon Web Services AWS
- This involved several complex shell scripts working with mongodb & JSON
- It also involved configuring SSL for this product and writing an authentication module

BOWHEAD, Subject Matter Specialist II, Engineer/Scientist I, Vicksburg, MS, Mar 2012 - Sep 2012

- Created a virtual laboratory involving several virtual machines of different operating systems running Apache, IIS, a DNS server, and a web application firewall (WAF) called Mod Security

DOD, DISA, Red Team, Chambersburg, PA, Jun 2011 - Aug 2011

- Built a web application with web2py for organizing attack tools.

MSU IT DEPARTMENT, Compliance Officer, Mississippi State, MS, Jun 2010 - Aug 2010

- Made shell scripts to automate the examining of abnormal DNS servers to look for malware & SSH brute force attacks.
- Programmed proof of concepts for XSS bugs found on campus websites by vulnerability scanners to demonstrate security vulnerabilities to CSO

DANTEVIOS SP, Freelancer, Starkville, MS, Jun 2010 - Jun 2010

- Ran my own one man business working 100+ hours a week between locating contracts, networking, and bidding on contracts between multiple freelancing websites and networking contacts
- Used netbeans to debug & fix existing poorly written code, fixed Java Servlet, developed a socket script to curl XML data to another off-site PHP script, and helped deploy and make sure the live server was serving customers
- Briefly fixed issues with the deployment of magento site

SOFTWARE UNLIMITED, Lead Software Engineer, Tupelo, MS, Jun 2008 - Aug 2009

- Lead Developer on two major projects
- EasyFiles - A Paperless Document Management Solution (C#,XAML,WPF) 95% coded by me, GUI desktop application with drag & drop capability
- Used subversion for version control
- Over 10k lines of code
- Criminal Case Management- A web solution for prosecutors offices
- C#.NET web application

VELCRO USA INC., Web Application Developer, Manchester, NH, Jun 2007 - Aug 2007

- Developed a JSP Servlet for ordering hook & loop using the Struts 1 Framework to run on an Oracle Application Server that talked to an Oracle Database

VELCRO USA INC., Web Application Developer, Manchester, NH, Jun 2006 - Aug 2006

- Worked on company intranet website in PHP and implemented access control lists (ACLs) for different divisions to log in, that talked to a MySQL database

EDUCATION

- Masters of Science in Computer Science from Mississippi State University, graduated 2011
- Bachelor of Science in Computer Science with a minor in Software Engineering from Mississippi State University, graduated 2009

CERTIFICATIONS

- W3Schools Certified in: Frontend/Backend/Fullstack, PHP, Git, MySQL, SQL, CSS, HTML, JavaScript, jQuery

PUBLICATIONS

- Does Programming Language Affect Reuse?

SKILLS

- Active Directory, Agile, AJAX, Apache, ASP.NET, AWS, Azure, C, C#, C++, CI/CD, Client/Server, CMS, CRM, CSS3, Debug, DevOps, Django, DNS, Docker, gdb, Git, Github, GitLab, GraphQL, Helm, HTML5, HTTP, HTTPS, IaaS, IDE, IIS, Java, JavaScript, JSON, Jenkins, jQuery, Kubernetes, LINQ, Linux, Lua, Microsoft SQL, MongoDB, MySQL, Next.js, Node.js, NoSQL, Odoo, OOP, Oracle Cloud, Oracle SQL, Perl, PHP, Powershell, Python, React, Redhat, REST APIs, R, Ruby, Rust, SaaS, Scrum, Servlets, Shell Scripting, Solaris, Spring Boot, SQL, SSL, Stripe, SUN, TCP/IP, Terraform, TypeScript, Ubuntu, UDP, UI/UX, UML, Unix, Virtual Machines, Visual Basic, Vstudio Code, Web2py, Windows, Windows Server, Wordpress, WPF, XML