



Paul Coddling

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Senior Security Consultant/Software Engineer

pcoddling@gmail.com

Profile

IT Consultant and software engineer with extensive industry experience in Identity and Access Management, Web Application Security, and Online Fraud Detection and Prevention. Substantial infrastructure administration skills relating to 24/7 public facing services. Over six years of software development skills specializing in web application and back-end services using Java and Ruby. In-depth software development skills using XML, HTML, CSS, Ruby On Rails, Java/Spring. I am interested in progressive companies specializing in emerging services and next generation products.

Experience

Infrastructure and Security Manager/IAM Manager, Zirous; April 2010 - Present

Responsible for setting the direction of the Oracle Identity and Access Management and Fusion Middleware practices. Managed a group of 6 engineers ranging from Oracle DBA's, to SOA suite experts, to IdM suite experts. Blended role between client-facing consultant work and internal management activities. Lead architect on an implementation of a large IdM Suite implementation involving OID, OVD, OIM, OAM, and OAAM for a state agency. Involved in pre-sales work and product demonstrations and presentations.

Senior Consultant, Integral Business Solutions; October 2007 - April 2010

Lead technical consultant and team lead responsible for the implementation and configuration of strong authentication and fraud detection systems using Oracle's Adaptive Access Manager product. Provided insight and direction to clients in creating systems capable of detecting fraudulent transactions and actively preventing online attacks. Used my technical and verbal skills to derive technical controls based on complex industry vertical fraud scenarios. Developed fraud prevention methodologies and created training courses around fraud prevention and detection using the Oracle Adaptive Access Manager product.

Assisted with and lead implementations, upgrades, and Proof of Concepts for large Financial Institutions, eCommerce, Health Care, and online trading companies around the world. Extensive experience in working with fraud teams to understand and master the use of



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technical controls to identify and prevent fraud using the Oracle Adaptive Risk Manager system.

Developed custom Java web applications using the Spring framework capable of demonstrating fraud in many different industry verticals. Utilized my skills in web application design and security to create model web applications currently used by Oracle sales and technical staff to demonstrate pro-active fraud prevention techniques to Fortune 100 companies.

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Lead technical resource in implementing a multi-phase Identity and Access Management framework using Novell IDM 3.5 product. Leveraged my experience with the IDM product to implement complex user provisioning and workflows based on business requirements.

IP Developer/Consultant, Midwave Corporation; June 2005 - October 2007

Technical Consultant in the Identity and Access Management Practice - Lead the implementation of identity management and federation products such as Novell Identity Manager 3 and Ping Federate. Worked in many different types of organizations including local government, health care, and airline companies.

Web Application Security Expert – Lead the creation and development of the web application security practice. Instituted the process and methodology used to perform in-depth and repeatable web application security assessments in line with OWASP security practices.

PCI Certified Scanning Vendor - Played an integral role in the process to earn the PCI certification for scanning vendors. My involvement was centered around passing the PCI certification exercises as they related to web application, and network security. I also aided in taking the information gleaned from the process and incorporating it into offerings relating to vulnerability assessment and mitigation.

Intellectual Property Developer - Designed and developed custom software platforms used to automate and facilitate the Vulnerability Assessment process for network/web application assessments, and internal business process automation. Also responsible for designing and implementing IDM provisioning drivers and web applications written in Java.

Network Administrator, EZ Web-Tech, Inc.; June 2002 - June 2005

Responsible for infrastructure design, implementation, maintenance and security. Server builds, configuration, security, backup. Maintained and monitored custom firewall solutions, service provider solutions, and network consulting. Specialized in deployment and configuration of BIND, djbdns, Sendmail/Postfix, Apache, MySQL, OpenLDAP, FreeRADIUS, OpenBSD, FreeBSD, and Linux.



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Developer/Tester, Aurora Healthcare - UW-Whitewater; September 2004 - May 2005

Worked with Aurora Health Care, and UW-Whitewater faculty to test and benchmark Open-Source Java development tools/services, and compare them with non-Open Source alternatives for building loosely-coupled Java web applications.

Lab Administrator, U-W Whitewater; September 2003 - December 2004

Sustained 100+ Macintosh systems in labs around campus. Designed and distributed software packages, and images.

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Education

University of Wisconsin Whitewater - Bachelor of Business Administration, May 2005

Majors: Management Computer Systems, Computer End-User Technologies

Skills

Languages - AppleScript, ASP.Net, C#, CSS, Flex 3, Java, JavaScript, PHP, Ruby, Unix Shell Scripting, XHTML, XML.

Frameworks - Java (Apache Axis , Spring, Hibernate, Struts, Maven), JavaScript (Prototype, Dojo, Scriptaculous), Ruby (RubyOnRails, JRuby)

Operating Systems

- ▶ BSD - FreeBSD, OpenBSD, Darwin
- ▶ Linux - Kernel (2.2 - 2.6) - Debian, RedHat, Ubuntu, SuSe, OEL, CentOS
- ▶ Mac OS 10.1 - 10.6
- ▶ Microsoft - Microsoft Windows© Server 2003, ISA Server

Oracle Products

- ▶ Oracle Enterprise Linux
- ▶ Oracle Database 10g/11g
- ▶ Oracle WebLogic 10g/11g
- ▶ Oracle HTTP Server 11g
- ▶ Oracle Internet Directory 10g/11g
- ▶ Oracle Virtual Directory 11g
- ▶ Oracle Identity Manager 10g
- ▶ Oracle Identity Analytics (currently learning)
- ▶ Oracle Access Manager 10g
- ▶ Oracle Adaptive Access Manager 3.5.2, 10.1.4.x, 11g

Server Technologies

- ▶ Access Control - Oracle Access Manager, Siteminder
- ▶ DNS - BIND, djbdns , Infoblox, Active Directory



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- ▶ DHCP - ISC, Infoblox, Active Directory
- ▶ HTTP - Apache 1.3.x-2.2, IIS5.0-6.0, lighttpd 1.4.x, OHS
- ▶ IDM - Novell Identity Manager 3, PingFederate, Oracle IDM Suite
- ▶ IDEs - Eclipse, NetBeans, Microsoft VisualStudio
- ▶ Java - Tomcat 4.x-5.x, JBoss 4, Weblogic, Jetty, IBM WebSphere
- ▶ LDAP - OpenLDAP, Active Directory, Sun ONE, Novell eDirectory, Oracle Internet Directory
- ▶ Proxies - Squid, Microsoft ISA
- ▶ Provisioning Adapters: Microsoft AD, Microsoft SQL, Epic (HL7), Generic LDAP
- ▶ Radius - FreeRadius
- ▶ Security - NMAP, Nessus, Aide, Tripwire, Snort, Radmind, OpenSSL, OpenSSH, Spiceworks WebInspect
- ▶ SMTP - Sendmail 8.11-12, Postfix 2.x, Apache James
- ▶ Source Code Control - CVS, Subversion, Git (currently learning)
- ▶ SQL - MySQL-3.x,4.x,5.x, PostgreSQL 8.1, Microsoft SQL Server 2000 & 2005, H2, Oracle SE/XE
- ▶ Encryption - GnuPG 1.4.x, OpenSSL
- ▶ VPN - IPSec, OpenVPN(SSL), PoPToP(PPTP)

Skills In Progress

- ▶ Machine learning
- ▶ Oracle Identity Analytics
- ▶ Git

Referrals

Available upon request.