CARMELO CRIVELLI

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Information Security Engineer

..with a strong background as Linux system administrator and Unix middleware support engineer.

Recently involved as Tenable SME (20 months project) for designing, building and managing a Vulnerability Management Platform - based on SecurityCenter, Nessus and Tenable.io - in order to provide a consolidated view of all the vulnerabilities and level of adherence to Compliance Standards, prioritizing security risks and providing a clear unified security posture to the organization.

Other experiences involve "DevOps Engineering with Security in Mind", by designing, building and managing a fully secured and automated Infrastructure in the Cloud.

Strong experience with automation/configuration management tools such as Saltstack and Puppet.

Ability to use a wide variety of open source technologies and cloud services.

Strong experience with SQL and NoSQL.

Advanced skills with shell scripting, procedures automation, systems performance analysis and tuning.

Always open to new technologies, frameworks and tools with special regard to the Cybersecurity space.

SKILLS

*Operative Systems
Good skills and many years of experience with Linux platforms (Debian, RedHat, Fedora, CentOs, Mint, Ubuntu, Slackware, Suse, Backtrack, Kali).
HP-UX, AIX, Solaris platforms.
Windows 2012, 2000, 98, XP and 7.

*Opensource technologies, services and tools
Elasticsearch, Logstash, Kibana, Kafka, LAMP (Apache, MySQL, Php) systems, Postfix, Ntp, Squid, Tomcat, Jboss, Dovecot, Roundcube, Amavis, Bind, Munin, Nagios, Ipvsadmin, ldirectord etc..

*Configuration management tools
Saltstack, Puppet

*Languages and Databases
Advanced Unix Shell Scripting (bash, ksh, csh).
Good skills in Php, Python, Perl, HTML5, CSS3, Jquery, Jquery Mobile, Java, JSP/servlet, Sql, Javascript/DOM, Yaml, Xml, Json.
Good capabilities designing and maintaining SQL databases as MySQL, Oracle, PostgreSQL, sqlite, DB2, Interbase and Nosql databases.
ORM Hibernate.
Basic skills in C, C++ and Android SDK.

*Networks and Security
Good knowledge of networking, TCP/IP stack, cryptography, firewalls, Vpn, Dmz, IDS, Vulnerability scanning, Sniffing, Penetration testing, Monitoring, Logging.
Some tools/services it worth to mention are: openssh, openssl, gpg, nmap, iptraf, netstat, syslogd, openvpn, strongswan/openswan (ipsec), nessus, metasploit framework, armitage, ettercap, wireshark, arpwatch, ettereal, snort, modsecurity, bro, aide, openscap.

*Social skills and competences
Ability to work in multi-task and fast pace environments with good team integration and strong communication skills.

WORK EXPERIENCE

Aleron Security @ Sydney , Australia - https://aleron.com.au/   **6 Jan 2014 - Present**
(IT Security Company)

Information Security Engineer / DevOps Engineer
Tenable and Vulnerability Management expertise maturated during last project at Woolworths.
Linux System Administration on RedHat, CentOS, Debian, Ubuntu.
Designing, building and managing a secure and fully automated Infrastructure in the Cloud - to support Continuous Integration and Continuous Deployment - based AWS, Saltstack, GitHub, Linux Centos7 and (a few of) Windows 2012 Servers; running services like Apache, Postfix, Squid, Ntp, ELK Stack, Jenkins, Nagios, Nodejs, Certification Authorities, Active Directory.
Infrastructure properly hardened and all the security controls put in place.
ELK Stack Installation and Security Consultant Services for CBA, McDonald's, eHealth NSW, WWF, Westpac.
Strong experience with Puppet, Hiera (yaml and encrypted yaml), Cloud-init.
Hadoop/Cloudera clusters installation, configuration, security, performance analysis and tuning.

Woolworths @ Sydney , Australia - https://www.woolworths.com.au   **20 Feb 2016 - 31 Oct 2018**
(Supermarkets)

Information Security Engineer / Tenable SME as Aleron Security Consultant - https://aleron.com.au/
Tenable Subject-Matter Expert for a Vulnerability Management Uplift Project, consisting of designing and deploying a centralized, consistent, reliable Vulnerability Management solution, uplift the Woolworths Security Operations Center (SOC) by providing new tools and technologies and ultimately raise the organization level standards for Threat/Patching Management, Incident Response, Asset Discovery.
Tenable products deployed: SecurityCenter, Nessus, Tenable.io (including AWS Integration).
Infrastructure mainly built on RedHat 7 Servers (and a few Windows Servers).
Both application and infrastructure secured and compliant with the Organization Security Standards (CIS and PCI when applicable).

Intesa Sanpaolo Bank @Milano, Italy **-** www.intesasanpaolo.com   **7 Jul 2008 - 17 Apr 2013**
(one of the major banking groups in the eurozone)

Linux System Administrator/ Middleware Support as Primeur consultant - www.primeur.com
System administration on Linux (Debian, CentOs) platforms.
Middleware support on Solaris, HP-UX, AIX and windows platforms.
LAMP stack deployment and maintenance (Linux, Apache, MySQL, PHP) , services monitoring (Munin, Icinga/Nagios), performance analysis and tuning.
Puppet experience for system configurations, in Master-Agent mode.
File transfer application installation/integration/configuration, custom procedures develop (advanced shell scripting using bash, ksh, php scripting) and automation using crontab, autosys or IBM TWS schedulers.
Load balancing experience using ipvs and ldirectord.
Develop and maintain small web Php and Java applications (HTML5, Jquery, CSS3).
System test and production software releases and testing.
Other products used: Oracle Databases; JBoss/Tomcat application server; Clear Case code repository; IBM Websphere MQ.

Intesa Sanpaolo Bank @Milano, Italy **-** www.intesasanpaolo.com   **1 Mar 2009 - 27 Apr 2011**
(one of the major banking groups in the eurozone)

HP Products Developer and Support as Primeur consultant - www.primeur.com

Script develop to monitor web applications performances.

HP BAC Support (Business Availability Center), HP VuGen script development (Virtual User Generator, LoadRunner) and QTP scripting (HP Quick Test Professional), HP BPM (Business Process Monitor).

Fastweb S.p.a. @Milano, Italy - www.fastweb.it   **1 Apr 2007 - 20 Jun 2008**

(*the largest alternative fixed-line telecommunications provider in Italy*)

Unix Application Support as Zeropiu consultant - www.zeropiu.com

Unix support on linux and solaris platforms, advanced shell scripting, Java-PL/SQL applications support, MySQL and Oracle databases.

Pre-production and production weekly/infra-weekly software releases and testing.

Zeropiu @Milano, Italy **-** www.zeropiu.com   **10 Oct 2006 - 31 Aug 2007**

Java Web Developer for "Comune di Napoli", project name: D.P.S. Tool

Technologies and languages used: Java(JSP/Servlet), MVC frameworks struts based, CSS, DOM, Javascript, Hibernate, Tomcat, Apache, MySQL 5 DB.

Subversion code repository experience.

Integration with CA Siteminder product for authentication and access management.

Leadercom s.r.l @Palermo, Italy   **15 Aug 2005 - 15 Aug 2006**

Php/MySQL Developer

Web management software design, develop and maintenance.

Catania University Residence "Alcantara" - www.arces.it   **Mar-Dec 2005**

Teacher for the following courses:

"GNU/Linux Networking" (college/under graduating students)

"Web Programming" (comprehensive school students)

Caltanissetta Linux User Group - www.clug.it   **2004 - 2005**

C.L.U.G Member, no profit organisation.

We organized Linux Day 2004 e 2005 events, I personally held the following workshops:

"Sniffing/Net – hub and switch LAN sniffing" : traffic sniffing and analysis in an Hub LAN and in a Switch LAN. Practical demonstration and countermeasures.

"Digital Rights and Palladium" : Palladium critical reflection, last technology against digital rights. Next future people wait for, but ignore it. Palladium, what is. Who wants it. Who not and why.

EDUCATION

Computer Science Graduated at Catania University   10 Oct 2001 - 26 July 2006

Scientific High School qualification   1996 - 2001

HOBBIES

Photography, Motorbike Riding, Fitness, Guitar, Drawing/Painting, Scuba Diving, Running

~ References Available on Request ~