

Jeremy Siedzik

Technologist

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Summary

I live, breath, and sleep tech. I tutor cyber security, I build things with Java, Javascript, shell script, php, and mysql. I fix others mistakes, give me a problem and resources, it will be solved. I LOVE DEVOPS! Please, give me more automation. Contact me with employment/contract/consulting opportunities.

Experience

Business Owner

September 2016 - Present

I provide technology consulting services to small and medium sized business in the Detroit Metro area, with an emphasis on security.

A few skills picked up lately:

node.js + graphql + javascript + ejs templates

unreal engine 4 real time data visualization via VaREST plugin and node.js routes

software defined radio to pickup ADB and decode for display on PC based radar screens

financial services asset decommission, wipe, cataloging, premises removal

fortigate firewall suite advanced financial enterprise configuration and troubleshooting

hp thin client management server across geographically diverse corporate environment

docker build of icinga that creates mysql and apache containers, then populates properly within ubuntu

Field Engineer

December 2017 - Present

Best company, best techs, best owners, soooooo many great tools! We have a giant team working together to solve your problems and understand the why, how, and where to level up. Give us a chance and we will give you our hearts.

Vice President Of Engineering

May 2016 - September 2016 (5 months)

Tescron has a great concept: Write tools/apps/software to help individuals manage their probation. Plain and simple. I've had the opportunity to spend my time here designing and implementing the tech stack, and then writing the first Android application in Java. Our technology of choice consists of the following:

Java for our Android Apps

- Android Studio w/Gradle

- Git via bitbucket
- Jenkins w/Lint

nginx on the backend + iptables(friends), layered with PHP Symfony and Angular JS

Tomcat and Apache here and there

Nagios and splunk for sweet monitoring

Redis for quick transactions and all of the other great things it can do! 160+ cool commands!

- stunnel for SSL between servers and devices
- master/slave configuration

MySQL for long term storage - piped at the OS leisure from Redis

Ubuntu is doing our OS work via a few fun Vagrant scripts

- stunnel with SSH between servers
- a ton of neat BASH and python scripts
- a few Java programs that might be handy elsewhere

Hosted via Amazon Web Services(AWS)

- Load balancing
- Firewalling
- EC2 Scaling with AWS API

Cyfe.com and grafana dashboards for analytics

A few other cool things in the stack:

For speech to text recognition

- IBM Bluemix
- Google Speech API
- Siri in a Sierra VM
- wit.ai Speech API

Asterisk PBX to call and retrieve audio, then convert WAV to FLAC

Am I devops? Am I a developer? Am I a system engineer? Am I a network security engineer? I'll let you decide.

DevTools Lead at Knight Code Security

May 2015 - May 2016 (1 year 1 month)

My responsibilities include pushing the strategic and technical direction of Knight Code Security. I have the opportunity to develop our philosophy for innovation and growth, with the task of mentoring new team members and passing along the sum of our knowledge, with the hope that it is added to by each individual that we employ. Technologies in use include: commercial and open-source software packages, internally designed software and hardware solutions, and anti-malware/anti-virus research. Building and automating Jenkins CI to AWS.

Our team utilizes skills in the following domains:

Firewall Design and Implementation

Linux Kernel Development

TCP/IP Stack Development

VPN Design and Development

System Virtualization

LAN/WAN Network Design

Linux and Unix Shell Scripting

Oracle Database Design, Security, and Optimization

Subversion Git SVN Hardening and Optimization

PowerShell Scripting and Security

Java Virtual Machine Security and Auditing

Directory Services Security: OpenDJ, OpenDS, LDAP

Apache, Tomcat, Nginx, IIS, lighttpd Hardening and Optimizing

Python Development

C++ Development

Javascript Development - Android Studio

Design and Implementation of Cisco, Checkpoint, Juniper, Sonicwall, Gauntlet, ipfilter, pfSense, Untangle, and Monowall

AWS (Load Balancing, Elastic Beanstalk deploys, Java Source Code)

Directory Services Architect at SimpleData

January 2015 - May 2015 (5 months)

Utilize python to create Data Access Objects, to be placed between client web browser and secure database. Review python code for best practices in the domain of security. Attempt to exploit vulnerabilities in production code with tools such as Burp Suite and Zed Attack Proxy. Create OpenDJ and OpenDS environment and test compatibility in regard to moving users and creating custom attributes and context.

Information Architect at SilkRoute Global

September 2010 - March 2014 (3 years 7 months)

Designed, built and maintained over 140 Oracle databases on Redhat Linux, IIS front ends on Windows Server 2008. Created a rapid development environment utilizing CruiseControl.NET to allow .NET developers to work on code simultaneously and push test code to an 80 server Debian/Oracle/IIS test cluster along with SVN integration from developer desktop up to the front end for on the fly changes. Wrote shell script and power shell script to automate the creation of Virtual Machines on VMware vSphere (Windows 2008 with IIS, and Redhat Linux with Oracle) as well as their connection to each other and full stack customization via a single 'birthing' web page that asked for information such as IP addresses, hostnames, customer logos, etc. (Think cPanel on steroids). Designed and Managed Cisco VPN, Microsoft Active Directory, LDAP, Linux and FTP servers, with 100 or more users.

Owner

March 2007 - November 2011 (4 years 9 months)

Network Security Advisor

2006 - December 2010 (5 years)

Provided advice mixed with occasional hands on work for a variety of customers, including insurance, real estate, financial and legal offices, each with their own unique environments and requirements. Made recommendations regarding Anti-Virus, Anti-Malware, Firewalls, etc. Implemented changes to or installed new equipment and systems.

Network Security Sales Agent

January 2009 - June 2009 (6 months)

Network Security Engineer

2000 - 2003 (4 years)

Ford – Designed a proof of concept VPN solution using 3 factor authentication.

GM – Designed and built their ANX firewall based upon the Intrusion.com redundant hardware platform running Intel based processors. Installed the hardware in GM's data center and further administered and managed the construction of nearly 500 IPSEC tunnels.

Delphi - Designed and built their ANX firewall based upon the Intrusion.com redundant hardware platform running Intel based processors. Installed the hardware in Delphi's Troy data center and further administered and managed the construction of nearly 200 IPSEC tunnels.

Load-balancing/fail-over proxy cache arrays on Solaris OS and Sun hardware with Netscape/iPlanet Proxy Server.

Nokia IP 330's and 440's with VRRP fail over on Checkpoint 2000.

Linux Redhat with Checkpoint 2000.

Windows NT with Checkpoint 2000.
Netscape/iPlanet Web server administration and setup.
Netscreen installations in fail-over configuration.
Gnatbox firewall installations and administration.
Novell Bordermanager maintenance.
Sniffer Pro 3.5 network analysis and Ethereal packet decoding.
Solaris and Irix administration.
Novell eDirectory on Solaris and Intel platforms.
American Express satellite office IPSEC VPN installations.
RSA Keon Certificate Server installations and administration.
PKI Server installations and administration.
Microsoft Exchange disaster recovery.
Novell Groupwise installation and testing.
Network penetration testing with commercial products along with manual testing methods.

IT Director at EDAG

2000 - 2001 (2 years)

Network Administrator at Advanced Accessory Systems

March 1997 - March 2000 (3 years 1 month)

Novell Netware owner. 20 servers, Bordermanager Firewalls, Windows NT domain controllers. Kid stuff.

Education

Checkpoint Software

CCSE, Network Security, 1997 - 2010

Novell

CNE, Certified Novell Engineer, 2001 - 2001

Stonebeat - Stonesoft

SCSE, Stonebeat Certified Systems Engineer, 2001 - 2001

Cisco

CCNA, TCP/IP Theory and Application, 2000 - 2000

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[Contact Jeremy on LinkedIn](#)