**Dwight Anthony Spencer**

Specialties: Service Delivery, On/Near/Off-shore DevOps, Cloud based Infrastructure Architecture Design, and Application Security

Multi-faceted, talented, intelligent IT Professional and Web Developer with 15+ years of experience supporting clients with technical experience in product life cycle and system deployment in a multi-system environment.

**Selected Open Source Contributions**

*Information Security News*

Author of [North DFW 2600 Group Blog](http://dfw2600.tumbler.com/) where we discuss technology and InfoSec news from around the world and focus on Dallas, TX related issues.

*Linux*

My daily operating system: I [blog](http://denzuko.flavors.me/) about it sometimes. Other times I'm maintaining packages for BlackArch and Kali Linux.

*Commission Junction*

A rails gem for accessing the Commission Junction SOAP API: I contribute on [github](http://github.com/denzuko/commission_junction/)

*OSSEC*

I Collaborate with the [Honeypot project](http://projecthoneypot.org/), [OWASP](http://owasp.org/), [US-CERT](http://us-cert.gov/), and other open source infosec projects to provide anti-malware definitions and spam detection rulesets.

**Skills and Experience**

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| --- | --- | --- |
| Category | Skill | Skill Level |
| Consulting | IT Services, Dev Ops | Expert |
| Systems | Analyst, Architect, Security | Expert |
| Languages(Read, Spoken, Written) | English | Expert |
| Languages(Read, Spoken, Written) | German, Spanish, Japanese | Beginner |
| Automation | Puppet, Ansible, Salt | Above Intermediate |
| Virtualization | KVM/Libvirt, Docker/LXC, VmWare, Virtual box | Expert |
| Languages(Scripted) | Ruby, Bash, Perl, Awk, BASIC, Power Script | Expert |
| Languages(Web) | HTML(3, 4, 5), CSS(1,2,3), JavaScript, jQuery, PHP | Above Intermediate |
| Languages(Compiled) | C++, ASM86, ANSI-C, Lua, Java | Expert |
| Languages(Other) | UML, XML, XSL, SQL | Intermediate |
| Programming tools | Vim, CMake, GNU toolchain, Git, Mercurial, SVN | Expert |
| Security Technologies | Metasploit Security Auditor, Nexpose, OSSEC, SSH, SSL, Digital Certificates, Anti-Virus Tools (Norton, Symantec, Ghost, etc.) | Intermediate |
| Monitoring | Splunk, Spiceworks, SNMP, Nagios, Sciencelogic | Expert |
| Networking | Cisco ASA, Baracuda (Firewalls, and Load Ballencers), LAN, WAN | Intermediate |
| Server Software | Apache, Ningx, MySQL, Sendmail/Exim/Postfix, Bind9 | Expert |
| Operating Systems | Linux (Redhat, Debian and source based) | Expert |
| Operating Systems | Windows NT (All), Windows Server, Mac OS X (10.3, 10.4, 10.9) | Above Intermedite |
| Operating Systems | Unix (FreeBSD, OpenBSD, Plan9) | Intermediate |

**Corporate Experience**

September 2017 (Present) *Software Development Lead and Instructor at Dallas Makerspace*

(Southlake, TX. USA).

* Work directly with infrastructure team to provide solutions to AWS based services
* Delelivered full scale infrastracture monitoring using ELK/TICK and SNMP
* Leading Automation efforts with Ansible and Puppet
* Designed and developed Micro RESTful Web services to assist the application for data needs
* Designed and developed ReactJS based frontends to assist the application for data needs
* Instruct and develop Curriculum includes Python, JavaScript(nodejs/es2106), ReactJS, jQuery, DOM, SQLite3, MySQL, GraphQL, Docker, Tenserflow
* Conduct systematic examinations of submitted code individually with each student
* Lead breakout teaching sessions on various web development topics relevant to curriculum
* Guide students toward successfully grasping difficult programming concepts
* Preform advance research into information security and computer science

September 2016 (18 months contract) *Software Development Lead for Verizon Wireless*

(Southlake, TX. USA).

* Awarded MVP Employee "Outstanding Player 2017" for recognition on my contributions for Building an in house Development team, Successful development of core tools, and Leading Mentorship in DevOps, Agile, and IaaS
* Designed and implemented Core Team culture practices; "DevOps Experience" which provided base guidelines, tools, and best practices for operating cloud environments, developing microservices, and service delivery by adhering to Scrum ceremonies, Using CICD, Ansible, and docker swarm with a workflow that is centered on automation, mobile app, and rapid development first.
* Automated the deployment of OpenStack Network components (DELL, Client, Big Switch) to build and monitor performance systems for daily operations of the systems. Participated in the automation build process. Developed daily CI/CD for application and hardware builds. External testing applications that aid in the availability to build a site and then used as part of the monitoring of a site.
* Spearheaded Operational and Development Standards that sets the expectations for scrum teams and communicates with external Business units the core set of expectations.
* Developed JWT SSO microservice, SIEM and APM solution, and custom built DCIM integration into Ansible and ELK/TICK Architecture PaaS solutions centered around Docker Swarm, node.js/reactjs, and python applications.
* Responsible for utilizing aspects of both Lean Six Sigma and Agile Project Management best practices to conduct User Story Workshops, Backlog Refinement, Sprint Planning, Daily Scrum, Sprint Reviews, and Retrospectives
* Devised key performance indicators and operation policy for Infrastructure monitoring team.

Dec 2015 (8 months contract) *QA Engineer for Fidelity Investments* (Dallas, TX. USA).

* Serve as a key member of software development team as the lead QA tester on development projects for
* personal investment and digital services teams. Key architect in delivering new blue/green deployment
* strategies which cut testing and push to production to a third of the time and cost.
* Assured quality of code and adherence to unit testing development though code auditing and generation of
* reports.
* Advised multiple development teams on code improvements and direction of project

Aug 2015 (4 months contract) *Cloud Infrastructure Solutoins Architect for Mary Kay Inc.* (Dallas, TX. USA).

* Devised key performance indicators and operation policy for Infrastructure monitoring team.
* Lead the discovery and architecture planning for ElasticSearch, Redis, RabbitMQ, and MongoDB clusters.
* Maintained windows server (2003, 2008, 2012), MSSQL, and IIS hosting services.
* Integrated AWS deployment solutions
* Integrated ElasticSearch and Linux systems into Active Directory.
* Developed powershell modules for automated tasks related to ElasticSearch.
* Evaluated Windows Server 2016 Container technology

Feb 2015 (6 month direct hire) *Senior DevOps/Production Operations for MEplusYOU Agency*

* Advised board members on Industry best practices.
* Lead the discovery, architecture planning, and development phases for cross platform and cross hosting environment orchestration system.
* Acquired business relations with key third-party solution vendors.
* Architectured a full featured Platform-as-a-Service solution for DevOps based clients.
* Designed and implemented modern APM and SIEM solution to replace post lifecycle Hostmonitor monitoring infrastructure with Statsd/Graphite, Logentries, Pingdom, NewRelic, and Pagerduty.
* Key figure in development and deployment of scalable ITIL based Central management solutions for clients.
* Lead generation and sales engineering for a managed DevOps service provider
* Implemented Automation systems with puppet and ansible
* Directly managed cloud based infrastructure and both windows and redhat linux based servers

Jan 2014 (5 months contract) *Interim Chief Technology Officer for* [*TheLab Makerspace*](http://thelab.ms/) (Dallas, TX. USA).

* Maintain and provide usable workshop area for members. Ensure safe day-to-day operations of business and establish/document best practices. Enable limited-mobility access to workshop. Inspect and report on status of safety devices.
* Maintain networks and server co-location environment. Facilitate Telecom systems for membership and co-working. Work alongside Networking Committee to provide tools and solutions for technology needs of business and membership. Update integrated security and access systems as-needed.
* Communicate and work with third-party entities to complete construction projects and repairs to facility. Allocate and assign floor-space for large projects and static workshop elements
* Directly Negotiated and Service Agreements with vendors
* Provided Engineering processes and leadership
* Scrum master and product owner for multiple scrum teams
* Delivered Puppet, Gitlab, and Docker as an IaaS, an on-premise enterprise product, and a free open source download.

Oct 2013 (10 months direct hire) *Sr. Linux Engineer, II for* [*Firehost, Inc.*](https://firehost.com/) (Dallas, TX. USA).

* Provided service delivery for customers in a secured PCI compliant cloud hosted environment with responsibilities in managing Cisco routers, implementing infrastructure design with customer. Designing and implementing SIEM solutions on customer footprints. Analysing customer traffic to provide capacity planning and intrusion detection. Analysing customer server configuration for solution development. Managed edge and web application firewalls based on customer needs.
* Preforming restorations and backups of full system images over dell compellent storage arrays. Provisioned both Windows Server 2012 and Linux virtual machines within clustered vmware environments. Managed environments though both salt and puppet.
* Worked along with the security team to develop system hardening documentation and procedures for virtual machine level security while building synergy between SOC and TAC teams.
* Before my leaving I provided DBA solutions for customers though the DBA on demand offering and was in consideration for the front-end security team.

Feb 2013 (7 month direct hire) *Linux Engineer, I for* [*HostGator*](http://www.hostgator.com/) (Austin, TX, USA)

* Provided Service Delivery for over 9 Million domains with responsibilities in the installing, maintaining, and troubleshooting popular e-commerce and Content Management Systems, such as WordPress, Joomla, Drupal, Magento, Prestashop, etc.
* Dealt with importing, exporting, and making manual manipulations to MySQL databases.
* Preformed scanning, verification, and risk analysis for Linux-based MTA Proxy mail servers designed for Anti-Mail Abuse Management (Spam, Virus, Content, and Phishing).
* Preformed scanning, verification, and restoration of compromised web applications.
* Designed and executed complex tests for system acceptance and verification of a distributed computer product involving a diverse set of Open Source and Proprietary components.
* Wrote documentation, procedures, test plans, and test cases.
* Executed test plans and test cases. Filed Bug Reports (software defects) following industry-standard practices.

May 2003 - Jan 2013 *Visionary Founder for* [*CompuTEK Industries*](http://computekindustries.com/)

* Responsible for Company formation, business licenses, and legal entities.
* Responsible for providing a portfolio of Web development, IT, software, and technology services that meet the needs of clients. Also in charge of ensuring that the delivery of advanced technologies and solutions is done with a professional, honest, and personalised service approach.
* Preformed on-site and on-call customer support of IT services for goverment contractors and enterprise businesses. Doing my contract I was responsible for the Migration from standalone Windows XP systems to a network storage based platform on Windows 7 environments. This included the provision and installation of Dell laptops and desktops for clients, decommission of old assets, transportation of assets between sites and data centers. I also developed remote migration software and procedures that worked faster than the licenced Microsoft tools which finished the contract four months ahead of schedule
* Developed in house automation tools for IaaS projects with Puppet, AWS, GSN, and Selenium for fully automated CI/CD deployment pipeline of software and virtualized infrastructure.

**Certifications**

* Certified Scrum Master (Since 2017)
* CACert Assure (Since 2013)
* cPanel Certification (2013 - 2016)
* VMware Certified Professional (Mar 2011)
* RedHat Certified Engineer (Feb 2007)
* Linux Professional Institute LPIC-3 (Sep 2008)
* CompTIA Network+ (Sep 2008)
* CompTIA A+ (Jun 2002)

**Organizations**

ISOC Member

IEEE Member

InfraGard Member

**Honors**

*MVP Employee Award* 2017 Verizon Wireless

*Bloggers Choice Awards* 2008 and 2009 Nominee for Best Blog of All Time

**Education**

2010-2013 *Bachelors of Science in Business and Web Development at Univ. of Phoenix*

2003-2005 *Bachelors of Science in Computer Science at Colorado Techical University*

**Activities and Interests**

*Hobbies* I enjoy being a part of the maker movement and developing creative solutions for everyday problems. Current areas of interest involve DIY drones, SDR, and geo caching.

*Sports* Free Running, Cycling, Kendo.

*Activities* As the co-founder of the [zero1nation hackerspace](http://zero1nation.net/) and the [North DFW 2600](http://dfw2600.tumblr.com/) User Group I help promote a community of ethical hardware hacking and open source development for Teens, Young adults, and Youths at heart.

*Projects* Currently I am authoring a book and related Def Con presentation on GSM Security

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