

Joshua (Jim) Evans

- Difficult tasks are a privilege.
- Preferred Communication method is via Email.

Core Technologies / Career Focus:

- | | | |
|--------------------|-------------|------------------|
| • Linux | • Python | • Git |
| • Cloud Automation | • CI/CD | • Docker |
| • AWS | • Terraform | • SRE Principles |

Professional Experience

DevOps Team Lead (VoiceThread LLC.), Remote • Dec 2024 – Present

- Promoted to DevOps / Infrastructure Team Lead, but still retained responsibilities as Sr Technical Engineer.
- Responsible for management of other team members including projects and overall direction, resulting in overall increase in successful project implementation and satisfaction with department.
- Performed traditional management responsibilities of identifying job role skill-sets, interviewing, hiring, and training of new team members.
- Provided technical insight and expert consultation to executive leadership on business shaping decisions.
- Collaborated with fellow senior architects on long term application design and technical strategy, with a heavy focus on complexity reduction and maintainability.

Sr. Platform Engineer (VoiceThread LLC.), Remote • Nov 2022 – Present

- Redesigned existing Terraform IaC implementation into single all-encompassing module, used to stand up fully functional and independent application platforms. This was used extensively to build out accurate sandboxes to accurately test larger projects and changes.
- Implemented AWS Organizations multi-account strategy and reworked Disaster Recovery resources to secure VoiceThread an AWS Partnership agreement. while also establishing safe havens for other engineers to test new creative solutions without risk.
- Contributed to, and advocated for, workload containerization efforts, by revamping previous attempts at containerizing backend API codebase, as well as developing CI/CD build pipelines for both the above container and existing media processing containers.
- Reduced engineer and administrative time investments by leveraging AWS Fargate for hosting non-critical internal services and features.
- Paired extensively with backend developers on application data design restructure, most notably resulting in 50% size reduction of critical data storage buckets and correlated database tables.

DevSecOps Engineer (VoiceThread LLC.), Remote • Jan. 2021 – Nov. 2022

- Primary Responsibility was retooling VoiceThread's Information Security posture and procedures, leveraging automation wherever possible to increase reproducibility and coverage.

- Served as primary engineer for VoiceThread's first ever SOC2 audit, from planning and buildout stages, to evidence gathering and presentation to auditors. The project resulted in a clean SOC2 report with no exceptions noted. Continued to lead SOC2 audit project, receiving additional unqualified SOC2 / SOC3 reports for organization annually.
- Maintained full cloud, multi-VPC AWS infrastructure via Terraform and Ansible / Packer, with primary focus on EC2 and container computing platforms.
- Built specialized SIEM platform leveraging CloudTrail, AWS Kinesis Firehose, and Graylog, with fully automated rebuild processes and alerting.
- Created custom OS level vulnerability reporting leveraging Python3 and Vuls.io, in addition to building application level static security code analysis and dependency into the CI pipelines.
- Fully revamped VoiceThread's QA and Disaster Recovery environments to better facilitate accurate testing and smooth recovery environment transition.
- Migrated CI/CD platforms from Jenkins to Buildkite CI/CD tooling.
- Created Information Security business policies and procedures in preparation for external compliance audits.
- Performed complete infrastructure and User Access audits, leveraging custom tooling for better consistency and turnaround time.

SysAdmin II - Linux & Web (Nat. Severe Storms Lab), Norman, OK ▪ Dec. 2019 – Dec 2020

- Managed internal GitLab hosting and repositories for Lab; acting as primary point of contact for help with Git workflows.
- Led on-going initiatives to re-structure monolithic web architecture, to better ensure organizational up-time.
- Containerized and deployed high-traffic, public-facing authentication proxy, for secure distribution of lab published data-sets and models.
- Responsible for ensuring both the public and internal availability of <https://nssl.noaa.gov/>, including all sub-domains and Research Web Applications.
- Maintained day to day operation of the 120 RedHat 6 and Centos 7 Linux servers for the NSSL's Multi-Radar Multi-Sensor (MRMS) product, an internationally implemented forecasting solution. More information available here: https://mrms.nssl.noaa.gov/qvs/product_viewer/
- Deployed user management tooling for the MRMS project via Ansible, allowing for higher accountability in auditing as well as normal operation.
- Restructured MRMS system update pipeline, via multi-pronged effort from Google Forms, Python, and Ansible, to develop a more autonomous patching solution with much greater product owner visibility, while maintaining compliance with federal system regulation.

Systems Engineer. Legend Energy Services, OKC, OK ▪ May 2018 – Nov. 2019

- Remediated on-going security breeches and present system vulnerabilities, which were the main cause for my on-boarding with Legend Energy. Followed by auditing and

restructuring of sensitive data systems, to ensure proper data security through established practice.

- Implemented Proofpoint - Email Protection Gateway and IDS/IPS system (DarkTrace), as well as rearchitecting Palo Alto Firewall configuration to reduce attack vectors and reduce risk of future attacks again company. Simulated live phishing attack to measure actual user susceptibility and provide training opportunities using open-source attack tools.
- Migrated in-house server infrastructure to virtualized hosts running on VMWare ESXi for increased reliability and maintainability.
- Troubleshoot and resolved issues with controller units on Live Coil Tubing and fracking operations, while actively “down-hole” and under time constraints.
- Administrated Legend’s AWS cloud services, primarily ec2 instances and IAM User Management. Also performed security auditing on application hosted in said cloud environment.
- Collaborated with newly formed internal development team to architect Data Collection as a Service platform using DevOps tooling (Ansible, Private Github Repositories, and Custom Inventory Management integrations) and principles (IaC, CI/CD) on asynchronous, distributed data collector nodes.

IT Analyst II – InfoSec. University of Oklahoma Libraries, Norman, OK • Apr. 2017– May 2018

- Performed security auditing and reorganization of multiple Library platforms and resources including full Active Directory, File Shares, Shared Password manager (LastPass), and physical IT Assets.
- Brought Internal Antivirus into compliance by using network-scanning utilities to locate unsupported AV Products and replace them with Dell DDP (Rebranded Cylance).
- Functioned as Co-Manager of IT Interns, and acting as a Tier III Escalation point for Public facing issues
- Automated multiple business practices, including IT Related Employee On-boarding and Off-boarding procedures, and backup management for multiple systems. This resulted in less outages and overall faster turnaround time for external requests of the IT department.
- Maintained Several On-Premises Windows 2012 R2 Virtual Machines located on a single ESXi 5.5 node. As well as managing various On-Premises Application Systems, including Laserfiche, QuickBooks, WSUS, IIS Webservers, and Library Specific Proprietary Software.
- Drafted and Implemented an Information Security Policy, InfoSec Incident Response Policy, and other Security Related Documents, resulting in an external IT Audit having no written change recommendations.
- Aided in Disaster Recovery planning and implementation, while maintaining a high degree of up time for internal staff and campus wide resources by leveraging existing hardware and Vmware vMotion Utilities.
- Recommended, helped institute, and sat as a charter member on the University Libraries Internal Change Management Board.

IT Administrator. Revenue Management Solutions, OKC, OK • Dec. 2015 – Apr. 2017

- Maintained and serviced 90+ workstations and 140+ physical and virtual Windows and Ubuntu 14 LTS servers over a WAN spanning 3 locations using RDP, PuTTY, and vSphere utilities, as half of a two-man IT Department for a SaaS company.
- Performed Active Directory and Microsoft Exchange Server tasks via Powershell and MMC, including Group Permission Administration, Distribution Group Setup, General User Creation/ Removal and GPO management. Additionally deploying Office365 into a production environment.
- Secured critical infrastructure from external threats via AlertLogic Vulnerability Scanner, Barracuda Load Balancer, Barracuda Web Application Firewall, and Palo Alto FireWalls.
- Planned and deployed a Linux Security Patch Management policy by using Aptly to build and maintain local repositories of approved security updates.
- Installed and configured ESXi 5.5 servers in a production environment, as well as troubleshoot any outages in their service.
- Designed and implemented a 100+ user and infrastructure office move, in the span of one week, with only 45 minutes of planned downtime, total.
- From December 15, 2016 until February 10 2017, was the only IT Employee for the entire business, sustaining operations through a successful sale of the company.

IT Assistant – College of Arts & Sciences IT, Norman, OK • September 2013 – September 2015

- Provided College Faculty and staff with on-site and on-location technical support for software, hardware, and networking/domain issues, managing their hardware deployment, repair, and inventory, with Symantec Ghost as primary imaging software.
- Successfully redesigned, rewired, and renovated Graduate computer lab with 20+ workstations unsupervised using Clonezilla mass deployment.
- Strove to aid the department with simple Powershell and VBA scripting, aiming to reduce turnaround times and increase professionalism.

Data Entry Specialist – Axis Practice Solutions (Now Defunct), Norman, OK • April 2012 – September 2012

- Filed Medicare/ Medicaid patient claims for several medical offices and institutions requiring HIPAA compliance.
- Used Microsoft Excel 2010 extensively, increasing company efficiency with distribution of VBA macros.

Programming Skills

- Professional languages; Python, PHP, Bash, as well as all major SQL variants (depending on your definition of 'language'). Minor professional experience in C#, C.

- Recreational languages: C++, C, and Rust.

Education and Accolades

- High School Diploma – Norman North, Norman, OK ▪ 2012
- Attended University of Oklahoma – 2012 to 2015
- Vice President of Classics and Letters Honor Society 2015
- Comptia Security+ Certification – November 2017 (lapsed).
- AWS Certified SysOps Associate – October 2020 (lapsed).