

**Terry J. Melton Jr.**  
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- OS Platforms** Red Hat Enterprise Linux and derivatives, Debian, Ubuntu, macOS, Windows 10, Windows Server 2012, 2016, 2019, Cisco ASA, Cisco Nexus
- AWS/Cloud** Serverless Application Model, AWS EC2, S3, IAM, Lambda, RDS, VPC, Route 53, ECS, Rekognition, Transcribe, CloudFormation, CloudTrail, Key Management Service, EFS, MediaConnect, MediaPackage, MediaStore, MediaConvert, MediaLive, Elastic Transcoder, Elemental transcoder, BackBlaze B2, Google Compute Engine, Google Blob Storage, Azure Blob Storage, Google App Engine, Google Kubernetes Engine, Azure Compute
- Virtualization** Kubernetes, Docker, VMware vSphere Enterprise, ESXi virtualization, OpenStack
- Software:** Playwright, Ansible, Terraform, git, GitHub, GitLab, BitBucket, Atlassian JIRA and Confluence, Nessus Vulnerability Scanner, Nagios, Quantum StorNext, Reach Engine Studio MAM, Iconik MAM, CatDV MAM, PyCharm
- Programming** Python, Shell Scripting, Javascript/NodeJS, C++, FileMaker, HTML, PERL, Java
- Certifications** AWS Certified Cloud Practitioner (LHVPWL12FE1E1HG6), Agile Bootcamp, Mirantis Certified Administrator for OpenStack (# 200-187-096), JAMF Software Certified Casper Technician
- Education:** Essex Community College, Baltimore, MD  
Majored in General Studies, 2/2004 to 9/2004
- Stevens Institute of Technology, Hoboken, NJ  
Majored in Computer Science, 9/98 to 5/99
- Employment** **QL2 Software, LLC., Baltimore, MD**  
**Principal Software Engineer – 7/22 to 2/24**
- Extended and retrofitted an existing in house web scraping toolset to add additional needed functionality against anti-bot technologies using Python, Playwright, OpenAPI/Swagger, and other web development frameworks.
  - Supervised and advised a global development team with members in Asia and Europe, tracking project progress through Jira and Confluence.
  - Mentored and advised junior staff in modern development practices and toolchains, such as SOLID, Story Points, CI/CD pipelines, User Stories, etc.
  - Deployed and maintained containerized Linux applications to AWS EKS clusters for data scraping services.
- CHESA (formerly Chesapeake Systems), Baltimore, MD**  
**Development Team Lead – 10/21 to 7/22**
- Managed relationships with customers through sales pipelines from presales to delivery and support to identify technical needs and evolving requirements for secure online services and products in AWS and customer hosted cloud environments.
  - Responsible for managing and mentoring development team members, managing project progress, and clearing roadblocks to allow project progression and completion.
  - Authored technical briefs, customer case studies, and whitepapers for use in client education and elucidation for technical and executive audiences.
  - Created AWS SAM based product revenue stream for hosted custom media delivery and workflow processes for media production customers.
  - Continued transferred duties as Senior Systems Engineer
- Senior Systems Engineer – 9/2017 to 10/21**
- Delivered fully customized media production workflows for major media and entertainment companies, including but not limited to AI media identification, transcription, social media

delivery, archiving, transcoding, report generation, data ETL, and other custom needs in cloud and customer datacenters.

- Provided mentorship and guidance to fellow and junior team members in developing and growing skillsets and industry knowledge of media production IT.
- Performed client discovery and communication from presales through project delivery and support to ensure client satisfaction and buy-in.
- Lead modernization of development practices to be more in line with industry practices, borrowing heavily from DevOps, Agile, and XP type practices in planning, QA, and delivery.
- Introduced Docker container based development workflows to improve project delivery timelines and technical agility in transitioning customers from in-house systems to cloud environments.

### **Laureate Education, Baltimore, MD**

#### **Infrastructure Architect – 11/2015 to 9/2017**

- Helped plan, design, and implement a server deployment automation system using vRealize Automation, Puppet, vSphere and DevOps methodologies to enable Continuous Integration efforts of company application development teams.
- Created automated OpenStack server deployment workflows to enable datacenter migration from vSphere/ESXi to OpenStack/KVM.
- Created and maintained standard RHEL based system images for deploying OpenStack hosted systems on enterprise infrastructure.
- Architected enterprise migrations from in-house datacenters to AWS hosted services including P2V migrations as well as complete redesigns to take advantage of cloud strengths such as scalability, high availability, and environment isolation.

#### **Unix Administrator – 1/2015 to 11/2015**

- Assisted in Linux system deployment and administration of Red Hat Linux and Oracle Linux platforms, including on-call duties for 24/7 global IT services across 80 locations.
- Managed and performed AWS infrastructure and server migrations from VMWare based systems to EC2 systems running on VPCs connected back to local datacenters.
- Maintained security patching and auditing to ensure compliance with SOX and FERPA IT policy requirements.

#### **Senior Macintosh Administrator – 1/2012 to 1/2015**

- Administered and maintained video production and postproduction environments using Linux and Mac systems on StorNext SAN filesystems.
- Designed and implemented custom workflows and Python/scripted automations to enable rapid development and delivery of global media assets.
- Managed AWS based resources and CDNs used in media production to provide online classrooms with video and course work resources.

### **Chesapeake Systems, Baltimore, MD**

#### **Server Solutions Engineer – 2/2008 to 1/2012**

- Responsible for specifying, designing, and implementing IT enhanced media solutions for private, educational, and government customers.
- Automated and integrated solutions with existing IT infrastructure in cross platform environments ranging from single site locations to global media broadcast infrastructures.
- Negotiated and maintained vendor and third party relations through entire project lifecycles from conception through support and maintenance relations.
- Trained customers of all technical levels in how to use and administer their systems properly, and how to troubleshoot problems themselves as necessary.

### **COACT Inc., Columbia, MD**

#### **Security Technician II - 7/2006 – 2/2008**

- Performed technical and functional review and testing of hardware and software encryption products for the Cryptographic Module Validation Program (FIPS 140) by NIST.
- Tested and evaluated IT products for certification for SCAP compliance.

**Telecommunications Systems Inc., Owings Mills, MD**

***Technical Support Representative - 7/2005 - 7/2006***

- Provided end user technical support on use and configuration of BlackBerry devices
- Responsible for rotating 24/7 on-call duties including user support and systems monitoring.

**Absolute Quality Inc., Hunt Valley, MD**

***Technical Support Agent - 7/2003 - 7/2005***

- Provided phone and internet technical support for Apple Computer and FileMaker, inc.
- Developed in FileMaker an in-house system to track employee training.

**Elsevier Engineering Information, Hoboken, NJ**

***Junior Network Administrator- 6/2001 - 1/2003***

- Maintained datacenter hardware and software upgrades on SPARC and Intel platforms, Sun Storage arrays and other systems.
- Administered 24/7 online operations of production systems, including backup and DR
- Audited and performed security and patch updates for Sun Solaris systems
- Administered and deployed NT and UNIX based systems.

***Production Coordinator, 5/00 - 6/01***

- Performed database administration for STAR database system
- Created weekly custom data sets for customers and delivering data via FTP, print, and tape

**Miscellany  
& Hobbies**

Eagle Scout of the Boy Scouts of America, Brotherhood member of the Order of the Arrow, Raspberry Pi and Arduino prototyping and other "Maker" activities, Theta Xi Fraternity, home beer brewing, movie buff, and all-around nerd.

**U.S. CITIZEN**