

TechOps / Systems Engineer TechOps / Systems Engineer AWS Certified DevOps Engineer Professional New York, NY I am an AWS Certified DevOps Engineer Professional, with three additional Associate-level AWS certifications as well, plus two Linux certifications, with more than twelve (12) years of cumulative IT experience working with financial data, genomic sequencing, ecommerce web design, fashion data analytics, PCI-DSS compliant financial data analytics, NLP (Natural Language Processing) software development, web hosting, and data centers. I have over twelve (12) years of experience in Linux and Windows server administration, where I have performed installations, security hardening, web and database server installation and reconfiguration, server migrations, Active Directory setups and changes, monitoring duties, and everything else one would need. I have ten (10) years of Virtualization experience, primarily VMware ESXi / vSphere as of late, but with other platforms in the past, as well as six (6) years of Cloud Computing on Amazon Web Services (AWS). I possess familiarity and working knowledge of Docker for containerization and Kubernetes for its orchestration. I also have twelve (12) years of experience with enterprise-level hardware, primarily Cisco UCS and Supermicro and their accompanying disk subsystems and the like. Lastly, I am currently studying for the LPIC-2 certification while also majoring in political science via night coursework within the CUNY university system. Authorized to work in the US for any employer Work Experience TechOps / Systems Engineer Bloomberg - New York, NY August 2018 to March 2019 I was a member of an approximately thirty-person team dedicated to the installation, configuration, and deployment of servers related to global markets-related feeds for clients across the world, which is known as Ticker Plant. Utilizing Ansible Tower for automated server preparation and software installation and a myriad of in-house developed systems, my team deployed said servers, be they running Red Hat Enterprise Linux, Oracle Solaris, or IBM AIX, decommissioned older servers due to power constraints, coordinated scheduled software deployments and emergency patches, performed low-latency network troubleshooting, worked with assorted teams to identify and fix software bugs that we encountered during the course of our work, and anything else pertaining to the software infrastructure powering Bloomberg's market-related monitoring operations.) DevOps Engineer High Performance Computing

(HPC) - New York, NY July 2018 to August 2018 I was a member of a five-person IT / DevOps team, with a focus on architecting, designing, and carrying out a migration of Sema4 Genomics' core product, known as GermLine, from Mt. Sinai School of Medicine's internal High Performance Computing (HPC) cluster to Amazon Web Services (AWS), which utilizes a combination of Docker container applications and HPC nodes. This included but was not limited to creating CloudFormation templates to aid in account creation and logging of all user activity, designing cross-account functionality in order to compartmentalize access to protected health information (PHI), creating robust and secure security precautions to maintain HIPAA compliance, architecting a broad and all-encompassing monitoring system using a combination of Splunk and AWS CloudWatch, automating deployment of new images, laying the groundwork for utilizing AWS Elastic Container Service (ECS) for GermLine's production environment, and so forth.) Senior DevOps Engineer

BORN Group - New York, NY March 2018 to May 2018 I was a member of a two-person team responsible for the architecting, design, and implementation of entirely new environments for customers, which entailed but was not limited to creating entirely new server and network infrastructures, be they hosted in on-premises VMware deployments, within Amazon Web Services (AWS), or a hybrid of the two, automating server and software deployment and configuration management via Foreman and Puppet, including Puppet modules from scratch, deploying a Kubernetes cluster environment from the ground up to begin moving our development to a microservices architecture, working with and performing code update maintenances on Apache Tomcat-based Jahia Web Content Management (WCM) environments, creating new CI/CD pipelines via Jenkins and Hudson or migrating existing Gradle / JAR building pipelines, auditing existing servers and OS deployments, participating in NewRelic based monitoring duties and responses, performing security hardening, migrating existing infrastructure to new infrastructure deployments, working hand-in-hand with development and quality assurance (QA) teams to facilitate development and deployment of new software platforms for customers, and so forth. Furthermore, my position entailed handling any and all aspects of BORN Group's New York office's IT infrastructure, working in tandem with IT management based in the UK, and serving as a final, or

Level 3 (L3), escalation point for issues pertaining to various high-profile customers from our Level 2 (L2) offshore support team based in India.) DevOps Engineer Verisk Analytics - Jersey City, NJ November 2017 to January 2018 I was a member of a five-person team leveraging DevOps techniques and practices, such as Chef for automating deployment of new servers and subsequent post-installation tasks, working on both Linux and Windows operating system design, architecture, and implementation engineering for all core Verisk server systems spread across approximately 3,000 servers hosted on both in-house VMWare ESX and Amazon Web Servers (AWS) environments. Our duties included but were not limited to setting up and reconfiguring Active Directory domains across both environments, installing and configuring new Microsoft SQL server clusters for new projects' needs as they arose, maintaining DNS records across both InfoBlox and Active Directory, updating existing and installing (EV) SSL certificates, participating in maintenance windows outside of business hours, monitoring all mission-critical servers and infrastructure via SolarWinds, creating and changing load balanced Virtual IP (VIP) entries in Citrix Netscaler, utilizing both ServiceNow and JIRA ticket systems, and so forth. My job duties also entailed focusing on a core Verisk business unit above all others, which entailed the previously-mentioned duties but also all across their particular Linux environment as well.) DevOps Engineer Affinity Solutions - New York, NY August 2016 to August 2017 I was a member of a five-person team that architected, deployed, maintained, and fixed approximately 500 servers for our entire PCI-DSS compliant environment, hosted in a hybrid environment of Cisco UCS physical hosts with Fiber Channel SAN backends running VMware ESX and five separate Amazon Web Services (AWS) environments. This included but was not limited to storing all server changes in Git, which required peer review, upgrading, reconfiguring, and automating deployment of all new servers entirely via Ansible playbooks, creating new and modifying existing Jenkins CI/CD pipeline, performing monthly upgrades across all environments via Ansible and Jenkins, working with Postgres databases measuring in tens (10s) of TB, upgrading our CentOS 5/6 environment to 7, deploying (EV) SSL certificates for both internal and customer websites, performing server migrations as we began transitioning our 400+ Cisco UCS server environment to Amazon Web Services, creating and

troubleshooting Active Directory-based account / group issues, working on and upgrading our assorted Elasticsearch / Logstash clusters, monitoring and adjusting our Nagios-based monitoring system, handling all Sandbox / Development / Quality Assurance / Production environment issues, deploying new Zookeeper creating new Jenkins build jobs, deploying and configuring new Zookeeper orchestrated MapR clusters, deploying new Samhain/Beltane File Integrity Monitoring (FIM) systems and upgrading existing instances, performing maintenance on our EMC VNX SANs, assisting in performing PCI audits and monthly scans, and so forth.) DevOps Engineer WGSN - New York, NY August 2015 to May 2016 I was a member of a two-person team responsible for the architecting, implementing, and monitoring of WGSN's entire Cisco UCS hosted environment, utilizing VMware ESXi running Debian Linux-based virtual servers. Utilizing Ansible for configuration management and automation of server deployments and reconfigurations, this included but was not limited to transitioning our physical load balancers to our VMware ESX-based infrastructure, maintaining our developers' individual Linux VMs, monitoring and adjusting our Nagios-based monitoring system, maintaining on and setting up new Akamai and other Content Distribution Network (CDN) accounts, making changes to our Nginx / Apache web nodes, creating, investigating, and repairing errant Jenkins CI/CD pipelines, setting up new DHCP servers for internal applications, creating and deploying an entirely new Elasticsearch / Logstash / Kibana (ELK) centralized logging solution, routinely working with a dual-node MySQL circular replication server cluster and personally changing it to a three node cluster, upgrading our entire server infrastructure from Debian 6 to 8, and so forth.) Systems Administrator / DevOps Engineer A+E Networks - New York, NY February 2015 to May 2015 I was a member of a five-person team responsible for the entirety of A+E Network's CentOS Linux-based digital media operations. My tasks included but were not limited to working on the Amazon Web Services (AWS)-based infrastructure, helping migrate from a woefully outdated physical environment to AWS, perform DNS changes to reflect changes to our assorted environments, editing and configuring Puppet modules for automation and configuration management purposes, designing and implementing an external-network monitoring implementation to replace the previous hodgepodge of monitoring systems, pushing code updates to the

development environment, QA, and production environments for A+E Networks' websites, performing maintenance on our Akamai CDN-accelerated digital properties, managing our Jenkins Ci/CD pipelines, assisting developers begin to leverage Docker for container-based development, utilizing agile development methodologies, and so forth.) Freelance Consulting Montgomery St - Jersey City, NJ May 2014 to February 2015 07302 Consultant (I offered freelance PC / Mac repair, malware / virus cleaning, and build services across a wide gamut of devices, from malware / virus cleaning to hard drive replacement to virtually anything else one might need for their personal computing device(s).) Systems Administrator Internap - New York, NY November 2013 to April 2014 Level I) (I was a member of the customer-facing support group, assisting customers via telephone, email, and ticketing system and participating in everything from CentOS and Debian Linux server data migrations, diagnosing MySQL, Apache, Nginx, and other such issues, reconfiguring customers' iptables firewalls, actively watching our ICMP-based monitoring system and responding to alerts as they presented themselves, performing server provisions via proprietary automated systems, making customer-requested DNS alternations, responding to network-related issues alongside my colleagues, and performing any other systems administration tasks that may be necessary for any given customer in a 24/7/365 customer service-oriented environment housing approximately 4,000 servers located in various data centers located across the planet, 80% of which used Red Hat Enterprise Linux, CentOS, and Debian for their operating system, with the remaining 20% being Windows Server 2003 through 2012.) Systems Administrator Lymba - Richardson, TX October 2012 to October 2013 I was the systems administrator for the company, responsible for any and all deployments, reconfiguration, troubleshooting of issues, and so forth for workstations, laptops, servers, and networking equipment in an environment that was approximately 95% Linux-based (CentOS 5 and 6), with the remaining 5% being Windows Server 2003 through 2012, and comprised of approximately fifty (50) physical servers and workstations and one AWS environment, which I personally created from the ground up. Daily activities included but were not limited to Oracle 11 database installation or reconfiguration, administration of our assorted Windows servers, Apache Tomcat and Nginx server deployment and reconfiguration, administrating our

iptables-based firewall and router, administering and making changes to our internally-hosted DNS server, responding to alerts from the Nagios monitoring system that I deployed, administering our Git and SVN version control servers, helping diagnose compilation issues with in-house developed software, handling our Amazon Web Services account, including all EC2 and VPC instances, transferring existing VM images to AWS and developing new AMIs for future deployment for customer demonstration purposes, internally hosted virtual machine deployments and issues, installing and managing our Jenkins CI/CD server, performing one-off backups that fall outside of the automated backup schedule, and so forth.)

Escalation Engineer (Level II) MegaPath - Dallas, TX
March 2012 to October 2012 I was a member of the customer-facing support group, assisting customers both via telephone and ticketing system and participating in everything from security audits and hardening, making customer-requested DNS alternations, MySQL and PHP optimizations, Apache / Microsoft IIS reconfiguration, custom server deployments, server migrations, working with our Hosted Exchange service, and everything else that was not covered by MegaPath's normal level of support. The environment was comprised of approximately 500 servers, 70% of which used CentOS / Red Hat Linux, with the remaining 30% being Windows Server 2000 through 2008. I was also responsible for data center operations, deploying new servers, carrying out scheduled hardware upgrades, decommissioning legacy equipment, and so forth.)

Customer Server Administrator The Planet - Houston, TX
January 2010 to June 2011 Following the merger with The Planet, I was still a member of the highest-ranking customer-facing support group, but what we were allowed to work on diminished considerably. I mainly assisted customers, both via telephone and ticketing system, with anything from DNS settings, OS questions for both Linux and Windows, general web hosting questions, such as about PHP settings, Apache tweaks or MySQL optimization, and other assorted questions. We no longer performed anything truly advanced, such as server migrations.)

Advanced Services Systems Administrator (I was a member of the highest-ranking group of customer-facing support within the company, assisting customers both via telephone and ticketing system and participating in everything from security audits and hardening, MySQL and PHP optimizations, custom server deployments, server migrations, and everything else that was not

covered by The Planet's normal level of support. The environment consisted of approximately 5,000 servers, with approximately 70% using Linux and the remainder being Windows Server 2000 through 2008.) SoftLayer - Dallas, TX August 2007 to August 2009 75207 I provided customer support for issues on a multitude of operating systems / web control panels that customers could not address themselves both via a ticket system and via telephone in data centers containing roughly 15,000 Supermicro servers. This entailed everything from reconfiguring or troubleshooting Apache or Microsoft IIS, helping secure either Linux or Windows Server operating systems, making customer-requested DNS alterations, optimizing system performance for a given application, investigating network or system performance issues, and everything else one could imagine in a web-hosting environment.) Data Center Technician Rackspace - Grapevine, TX May 2007 to August 2007 I built and deployed servers which were primarily Dell, HP, and Supermicro in a data center containing roughly 20,000 servers, ensured that the data center was properly maintained and generally kept orderly, deployed new server cabinets and their accompanying cabling, and performed scheduled hardware upgrades.) Data Center Technician / NOC Engineer The Planet - Dallas, TX September 2006 to May 2007 I provided customer support for issues on a multitude of operating systems / control panels that the customer could not address themselves, both via a ticket system and via telephone in a data center containing roughly 5,000 servers, ensured that the data center was properly maintained and generally kept orderly, monitored for offline servers via the monitoring system, performed scheduled hardware upgrades, and helped build and deploy servers for new customers.) Education Associate of Arts in Political Science in Political Science LaGuardia Community College 2017 to Present A.A. / A.S. Collin County Community College 2012 to 2013 B.S. in Electrical Engineering in Electrical Engineering The University of Texas at Dallas - Dallas, TX 2001 to 2005 Skills LINUX, APACHE, RED HAT, CHEF, CISCO, AWS, Active Directory, DNS, System Administrator, Vmware, Jenkins, Git, Puppet, Devops, Bash Certifications/Licenses AWS Certified DevOps Engineer Professional June 2019 to June 2022 AWS Certified Solutions Architect Associate November 2017 to November 2020 AWS Certified SysOps Administrator Associate December 2017 to June 2022 AWS Certified Developer Associate July 2018 to June 2022

Additional Information Skills: Linux systems administration (primarily Red Hat Enterprise Linux / CentOS 4 through 7 and Debian 6 through 9) Windows Server systems administration (2000 through 2016) Apache, Apache Tomcat, Nginx, and Microsoft IIS MySQL, PostgreSQL, Oracle 11, and AWS RDS installation and configuration (BASH and Python scripting VMware ESXi, vCenter, and vSphere, Microsoft Hyper-V, and Oracle VirtualBox R1Soft CDP and assorted backup services Atlassian JIRA, BitBucket, and Confluence products ServiceNow and in-house ticket systems Configuration management and automation (Ansible, Puppet, and Chef) Infrastructure as code (AWS CloudFormation) Git and SVN source control servers Continuous integration (Jenkins and Hudson) DNS administration (bind, Route 53, Microsoft DNS, Infoblox, etc.) Enterprise-level computer hardware (Cisco UCS, Supermicro, Dell, and HP) Written documentation focus, coupled with excellent oral and written communication skills

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