**John Li US Citizen**

**DevOps Engineer Tampa, FL**

**Professional Summary:**

* **Senior DevOps Engineer** with over **20 years of experience** in systems administration, DevOps, and site reliability engineering across industries including media, finance, healthcare, and government. He brings deep expertise in **Linux systems**, **cloud infrastructure (AWS)**, **CI/CD pipeline development**, and **configuration management** using tools like **Terraform**, **Ansible**, **Chef**, **Puppet**, and **CloudFormation**.
* Strong programming background in **Python**, **Bash**, **Perl**, and **C/C++**, and has built robust automation frameworks for infrastructure provisioning, application deployments, and monitoring. He has a proven track record of modernizing legacy systems, enhancing observability using the **ELK stack**, **Grafana**, and **Graphite**, and ensuring compliance through the integration of **SAST/DAST security tools**.
* Consistently involved architecting cloud environments, implementing scalable containerized solutions using **Docker**, and managing distributed systems. John’s focus on automation and operational efficiency has enabled organizations to reduce technical debt, improve deployment velocity, and maintain secure, reliable production environments.

### Core Competencies

* **Operating Systems:** RHEL/CentOS, Debian/Ubuntu
* **Tools & Technologies:** Git, Jenkins, Docker, Ansible, Terraform, Chef, Puppet, Bamboo, CloudFormation, Nginx, Apache, MySQL, Mongo, Elasticsearch (ELK), Graphite, Grafana
* **Languages:** Bash, Python, Perl, C/C++, Java, PHP, Ruby
* **Cloud & Infrastructure:** AWS, SAST/DAST tools, Lambda, CloudWatch, CloudFront

**Professional Experience**

**Madison Square Garden (Contractor) – Remote Mar 2021 – Present**

**Sr. DevOps Engineer**

* Refactored Terraform configurations into modular components to ensure reusability and infrastructure scalability.
* Rewrote legacy Python scripts to streamline complex redirect rule processing.
* Integrated SAST and DAST tools to enforce security compliance across both infrastructure and web assets.
* Developed and optimized Jenkins pipelines to automate Docker image builds and deployment processes.
* Re-architected legacy AWS infrastructure, enabling seamless service migration and improved cloud performance.

**Etsy (Contractor) – New York, NY Feb 2020 – Mar 2021**

**Observability / SRE Engineer**

* Automated ingestion of new data fields into large-scale Elasticsearch templates, improving visibility and reducing manual errors.
* Scripted the creation of Elasticsearch indexes/templates, supporting continuous data indexing.
* Developed custom metric scripts to send performance data to Graphite; designed real-time dashboards in Grafana.
* Contributed to infrastructure automation through Chef cookbooks and resolved compliance issues related to observability.
* Designed a process to extract Elasticsearch index data to local environments; supported production through on-call duties.

**Madison Square Garden (Contractor) – New York, NY Nov 2018 – Feb 2020  
Sr. DevOps Engineer**

* Enhanced Elasticsearch log ingestion workflows, centralizing CloudWatch and app logs.
* Created AWS Lambda functions to bridge disparate systems and periodically bust CloudFront cache for content freshness.
* Implemented robust Terraform scripts for infrastructure automation and policy enforcement.
* Developed Docker containers to unify PHP-managed site environments, simplifying local dev setup.
* Supported production deployments via rotational on-call participation.

**Remedy Partners (Contractor) – New York, NY Jun 2017 – Nov 2018**

**Sr. DevOps Engineer**

* Built containerized Jenkins environments using isolated build agent containers for scalable CI/CD execution.
* Developed Bamboo pipelines to deploy AWS Lambda functions and microservices.
* Maintained CloudFormation templates and authored Puppet manifests for consistent infrastructure provisioning.

**Zipari – Brooklyn, NY May 2016 – Aug 2017  
Sr. DevOps Engineer**

* Created end-to-end CI/CD pipelines for Dev/UAT/Prod using Packer, Ansible, and Docker.
* Implemented Docker Swarm for container orchestration and build deployment across environments.
* Conducted AWS environment cleanup and applied best practices for performance and cost optimization.
* Scaled and maintained ELK clusters, ensuring log ingestion capacity matched growing business needs.
* Automated infrastructure with Ansible playbooks and roles, proactively managing technical debt.

**Operative Media – New York, NY Feb 2014 – May 2016  
Sr. DevOps Engineer**

* Led migration of Elasticsearch from v1.7 to v5.1 and created a comprehensive index restore process.
* Implemented the complete ELK stack for centralized logging.
* Used Chef for infrastructure configuration management and deployed across AWS platforms.
* Automated system tasks and job execution with Rundeck to support a faster release process.

**iHeartRadio – New York, NY Feb 2010 – Feb 2014  
DevOps Engineer**

* Migrated physical infrastructure to AWS and modernized deployment through Chef cookbooks and server automation.
* Streamlined release processes using automation tools.
* Designed and maintained full ELK (Elasticsearch, Logstash, Kibana) stack for production-level monitoring.

**Mojiva – New York, NY Feb 2011 – Feb 2014  
DevOps Engineer**

* Developed and deployed Puppet modules to enforce infrastructure policies.
* Implemented NSD DNS with Unbound for enhanced DNS resolution and reliability.
* Built and configured FAI (Fully Automated Install) for Debian/Ubuntu OS deployment.
* Integrated LDAP with NIS automounts and configured secure file transfers using ProFTPD with PostgreSQL backend.
* Built frontend GUIs to automate user provisioning for internal applications

**Kit Digital – New York, NY Feb 2009 – Feb 2011  
Linux Systems Administrator**

* Migrated on-prem data centers to AWS, automating Akamai cache control using Jenkins.
* Designed high availability architecture using Heartbeat and DRBD.
* Managed mail relay using Postfix, and maintained ESXi hosts, Xen virtualization, and provisioning via Cobbler.

**Mizuho Securities – New York, NY Aug 2006 – Aug 2009  
Linux Systems Administrator**

* Managed over 200 Red Hat servers, creating Bash scripts for daily automation tasks.
* Upgraded and maintained Oracle WebLogic environments in clustered setups.
* Reduced infrastructure costs by implementing Spacewalk in place of Red Hat Satellite.
* Migrated trading systems to FIX-based platforms with high availability and minimum downtime.
* Created VMs using VMware ESX, upgraded Tidal Enterprise Scheduler, and resolved complex TCP/IP issues.

**Community Connect – New York, NY Mar 2004 – Aug 2006  
Linux Administrator**

* Built and installed Red Hat RPM packages, managed Apache virtual hosts, and supported over 300 Linux servers.
* Managed DNS with BIND, deployed Citrix NetScaler, and configured NAS via Onstor.
* Implemented SNMP-based monitoring and provided 24/7 on-call production support.

**Administration for Children’s Services – New York, NY Sep 2001 – Mar 2004  
Unix/Linux Server Administrator**

* Performed daily monitoring for all Unix/Linux servers, ensuring system integrity and security.
* Automated backup/restoration tasks using Veritas NetBackup and supported cross-platform operations.
* Wrote shell scripts for routine operations and provided technical support to DBAs and Unix admins