**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**