Lee Johnson

m: 917 822 4588
lee.james.johnson@gmail.com
https://www.linkedin.com/in/leejjohnson

Summary:

- Seeking position to architect and implement IT infrastructure, automation and systems in "build-it and run-it" format.
- Extensive experience managing enterprise technology across diverse tech stacks/environments with over 20 years experience in multi-server hosting environments (n-tier, sharding, scaling, failover).

Education:

- Columbia University: Master of Arts, Major: Mathematics
- Stevens Institute of Technology: Bachelor of Science, Major: Mathematics, Minor: Computer Science

Experience:

EPG – New York, New York
Platform Architect, Partner - February 2009 to Present

Dettonville LLC – Wilmington, NC
Principal Consultant/Partner - May 2010 to Present

- Manage automated datacenter implementations for IaaS, VM, and container provisioning using jenkins, ansible, packer, terraform (see https://github.com/lj020326/ansible-datacenter, https://github.com/lj020326/pipeline-automation-lib, https://github.com/lj020326/packer-templates).
- Create jenkins pipelines to:
    - Build VM templates (CentOS, RedHat, Debian, Ubuntu): packer + ansible-local provisioner
    - Run Ansible Plays: pipeline with groovy wrapper to run any ansible play using "tag" and "limit hosts" parameters enabling any play in master site.yml playbook for any host(s) necessary.
    - Deploy VM instances: ansible + ansible vmware community modules
    - Deploy applications
    - Run test automation
- Code ansible plays/roles to automate common infrastructure provisioning tasks including:

    - bootstrap-ansible
    - bootstrap-bind
    - bootstrap-cacert
    - bootstrap-caroot
    - bootstrap-cicd
    - bootstrap-docker
    - bootstrap-docker-stack
    - bootstrap-idrac
    - bootstrap-iscsi-client
    - bootstrap-jenkins-agent
    - bootstrap-keyring
    - bootstrap-kvm
    - bootstrap-ldap-client
    - bootstrap-linux
    - bootstrap-linux-core
    - bootstrap-linux-firewall
    - bootstrap-linux-logrotate
    - bootstrap-linux-nfs
    - bootstrap-linux-package
    - bootstrap-linux-user
    - bootstrap-mergerfs
    - bootstrap-ntp
    - bootstrap-openstack
    - bootstrap-openstack-cloud
    - bootstrap-postfix
    - bootstrap-proxmox
    - bootstrap-stepcli
    - bootstrap-tower-resources
    - bootstrap-vmware-esxi
    - bootstrap-windows
    - build-docker-images
    - deploy-cacerts
    - deploy-vm
    - deploy-vsphere-dc
    - display-hostvars
    - docker-admin-node

- docker-control-node
- docker-media-node
- export-tower-resources
- fetch-linux-os-configs
- fetch-os-images
- vmware-mount-datastores
- vmware-remount-datastores
- vmware-upgrade-esxi

- Created ansible framework to deploy complex templatized docker stacks to service an entire application stack requirements on target nodes. (E.g., an example 'control-plane' node stack includes containers running: healthchecks, registry, openldap, step-ca, acmedns, Jenkins, jenkins_agent, postgres, keycloak, Gitea, gitlab, auth, redis, Grafana, archiva. Another 'admin' node stack includes containers for Atlassian including confluent and jira)
- Implemented Gitea hooks into jenkins to automate docker image build and deployment into registry
- Designed/implemented role for idempotent firewall configuration.
- Established/tutorialized automation best practices with supporting documentation.
- Responsible for process automation for software inventory, security, storage and configuration management use cases.
- Integrate lightweight go-based git repo service Gitea with jenkins
- Designed/Implemented ansible automation for PKI infrastructure setup enabling intermediate CAs and x509 signed certificate provisioning (stepca) to establish compute node trust for respective baremetal, vm instance and mtls service mesh routes.
- Setup private repos/registries for OS images, docker images, PyPI, java apps deployments
- Added security inspec tests to buildVmTemplate pipeline to perform OS-hardening tests/verification for VM image builds
- Implemented framework to deploy apps from local git repo (gitea) and setup required services to run the application and dependencies.
- Automated applications deployments for following frameworks:
  - Java Spring Boot on Openshift and PCF Platforms
  - Django/flask on CentOS/RHEL OS, Openshift and PCF Platforms
  - Hugo on github and netlify
- Administer CICD infrastructure (Ansible Controller, Gitea, Jenkins, LDAP, Step-ca, Docker Registry, Vmware ESX + vSphere, Archiva, Keycloak)

Mastercard – New York, New York
Senior Consultant/Platform Architect - May 2017 to Jan 2020
- Designed/Implemented automation infrastructure using Ansible, Jenkins, Pivotal and HashiVault.
- Designed/Implemented CI/CD image build automation/deploy automation using Ansible, Jenkins, Artifactory and Pivotal Cloud Foundry.
- Automated execution of integration testing using Jenkins and selenium webdriver framework.
- Designed/Implemented deployment platform for MC API applications

Bank of America – New York, New York
Senior Consultant/Platform Architect - June 2015 to April 2017
- Identify infrastructure provisioning POCs converging on production state to enable containerized runtime platform deployments using Openshift.
- Collaborate with stakeholders for automation for internal trusted container image build-publish-deploy.
- Collaborate on implementing automation for enabling blueprint based provisioning, clustering, autoscaling PaaS use cases.

Ipreo (formerly i-Deal) – New York, New York
Director of Software Development - April 2007 to January 2009
- Led multiple global technology teams and off-shore development centers based in four continents.
- Managed delivery, implementation and program for clients, specializing in capital markets new issuance trading platforms and technologies.
- Oversee the day-to-day operations of the IT department. Lead, develop and mentor IT and other staff in connection with activities, including establishing training and operating standards, assigning and reviewing work, evaluating performance and handling disciplinary actions.
- Directed SDLC implementations and enforced SLA terms for security, scalability and performance and functional specifications.

Standard and Poor's – New York, New York
Software Development Manager - January 2006 to March 2007
- Setup infrastructure for market data surveillance processing to support market feeds, ABS products, primary analysis and syndicate initiatives.
- Setup historical security performance time series, and security master warehouse, used for data quality processing and security surveillance for all ABS related ratings actions.

Credit-Based Asset Securitization and Servicing LLC (C-BASS) – New York, New York
Software Development Manager - December 2004 to January 2006
- Managed development for servicing and securitizing credit sensitive residential mortgage based products and trading and analytic systems used for firms investments.
- Directed IT development including the Whole Loan Trading System, Bond Trading System, Claim Processing System, and BPO Ordering System. Including regular status and strategy meetings with senior business leaders.
- Supervised processing and quality for whole loan historical performance time series, and loan master warehouses, used for whole loan bidding, structuring, underwriter reporting and investment surveillance

Citigroup – New York, New York
Project Manager/Technical Lead - February 2000 to November 2004
- Setup Prime Brokerage gateway with platform of systems providing end-to-end technology solutions for institutional trading execution and settlement of multiple financial products with hierarchical arranging account relationships.
- Facilitated implementation of global prime brokerage portal and migration of the international prime brokerage site logic and functionality into the global PB site.
- Lead implementation for reporting platform supporting all identified fund reporting requirements enabling flexible and configurable daily-batch and real-time report execution. Implemented Reuters RV interface for real time pricing and portfolio management accounting and status reporting.

Ambac Financial Group, Inc. – New York, New York
Technical Lead - November 1997 to Feb 2000
- Responsible for the development and enhancements of the Asset Liability Management System (ALMS) enabling portfolio management with fixed income and ABS holdings and liability management functions pertaining to hundreds of municipal client accounts.
- Managed successful implementation of Oracle packages supporting real-time Bloomberg market data and trade affirmation messages for repo and reverse-repo transactions from the Bloomberg portfolio management software feeding into back-office systems.

Merrill Lynch – New York, New York
Technical Lead - April 1995 to November 1997
- Designed and implemented the enterprise reference data model supporting a global identification of counterparty and settlement instruction (Swift clearing) information across products and regions through data consolidation, normalization into a single replicated repository with phased integration implementations across multiple regions.
- Designed and developed enterprise reference data model supporting a global identification of counterparty and settlement instruction (Swift clearing) information across products and regions through data consolidation, normalization into a single replicated repository with phased integration implementations across multiple regions.

Credit Suisse Financial Products – New York, New York
Associate/Software Engineer - August 1994 to March 1995
- Implemented swaps and options trade books using lotus add-in macros and functions (C) to capture, run valuation and risk analytics for commodity derivatives, including commodity quanto-swaps, futures, forwards, Asian options, and fx trades.