

# JESSICA CLAIRE

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## SUMMARY

A motivated, hardworking, and dexterous DevOps/Systems Engineer holding 6+ years of experience on the belt, comprising of operational experience, and troubleshooting abilities. Expertise in installation, configuration, maintaining Linux-based servers. Vision to automate processes by using IAC tools and achieve high availability and performance in a physical and virtual environment. Recognized ability to create and deliver solutions based upon infrastructure support, and troubleshooting in Cloud environment. Looking for a role where I can grow by deploying new ideas and getting more exposure to cutting-edge technologies.

## SKILLS

- PROFESSIONAL SKILLS
- Operating System:
- RHEL 6,7,8 CentOS, Containerization & Orchestration Tools:
- SUSE, Debian, Windows, Docker, Docker compose, OpenShift,
- Configuration & Management Tools: Kubernetes, MiniKube
- Ansible, Ansible Tower, Terraform, Cloud User Authentication: Active Directory,
- Formation, Crontab LDAP, Okta
- Scripting: Python, Bash Servers: PXE, DHCP, Apache, DNS, NFS, FTP,
- Documentation: Confluence, OneNote, TFTP, EC2
- Google Docs Virtualization Technologies: VMware, ESXI
- Version Control Tools: GIT, GitHub, Git host, Virtual Box, vCenter, vSphere
- Lab, BitBucket Cloud (AWS): IAM, EC2, EFS, S3, Glacier,
- CI/CD Pipeline: Jenkins, GitLab, GitRunner, ELB, Cloud Watch, Batch, HPC
- Rundeck Networking/ Protocol: DNS, DHCP, Cisco
- Storage & Disk Management: SAN, NAS, Routers/Switches, NIS, NFS, SSH, UDP, FTP,
- LUN, NFS, LVM, Ext4, XFS TFTP, TCP/IP, HTTP
- Monitoring and Logging Tools: Nagios, Network Scanning and Packet
- Splunk, Cloud Watch, Grafana, Prometheus Inspection: nmap, netstat, nslookup, tcpdump, route, ping, traceroute

## EXPERIENCE

### Ansible/Python Developer, 01/2022 - Current

#### 22Nd Century Technologies – New York, NY

- Recommended automation improvements to facilitate team and project workflow
- Integrated object-oriented design and development techniques into projects to support usability goals
- Assessed code during testing stage to determine potential glitches and bugs
- Designed and migrated puppet middleware, scomdb, oracle, CCUI/DSUI and ecom configurations to Ansible
- Harnessed version control tool - GitLab to coordinate project development and individual code submissions
- Deployed Ansible Automation Platform Hub and collaborated with System Engineers on integration with applications
- Automated high priority VMware/VSphere operational tasks for Hypervisor team in linux/windows environment
- Developed Agile methodology through staging and production phases.

### System Engineer, 02/2019 - 01/2022

#### Bae Systems – Endicott, NY

- Provided direct application and user support for any technical issues triggered on RHEL 6, 7 servers
- Proficiently managed documentation on Confluence while implementing patching and upgrading with RedHat Support
- Tuned, analyzed and monitored the performances of ESXi hosts for virtual machines
- Engineered Infrastructure automation that eliminated time consuming manual process deployment and configurations using Ansible
- Install, configure, and manage Ansible Galaxy for automation
- Experience in integrating version control systems like Git Lab with Ansible Tower for continuous delivery of playbooks
- Managed and inspected docker repositories, images, registries, and docker files
- Improved developer workflow by Dockerizing monolithic apps into micro services with Dockercompose
- Used Terraform to build and launch AWS resources EC2, S3 storages, Route53
- Integrated and Configured Terraform Atlantis with Github Enterprise
- Collaborated with teams on Cloud migration project with the goal to minimize the cost of bare metal resources
- Worked with Cloud Watch for monitoring AWS resources including EC2 instances by setting metrics and alerts
- Experienced in Python scripts to read and write from CSV files, make API calls to retrieve data from servers like AD, SQL and generate reports
- Used protocols like SCP, SFTP and FTP for transferring files over the network
- Installed and configured Nagios to constantly monitor network bandwidth, memory usage, and hard drive status
- Deploying, configuring, and troubleshooting DHCP, FTP, TFTP, Apache, SSH, and NFS
- Handled full fledge lifecycles of server deployment, provisioning, troubleshooting, and decommissioning
- Managed file systems and SAN by creating Logical Volumes, resizing logical volumes and volume groups
- Extensive performance analysis of the system using top, sar, vmstat, netstat and iostat to check the CPU utilization, bottlenecks of I/O devices, memory usage and network traffic.

### Jr. Linux Admin, 10/2017 - 01/2019

#### Xandr – City, STATE

- Oversaw and maintained 1000+ servers including bare metal and VMWare ESXI
- Offered support and reduced service backlog by resolving daily tickets on ServiceNow
- Extensively worked on user management and resolved access issues
- Utilized RedHat Support and managed packages with YUM and RPM
- Optimized systems through performance and kernel tuning steps and troubleshoot panic issues
- Developed and scheduled python/bash scripts to automate everyday development as well as operational tasks with crontab
- Implemented Linux hardening using iptables, firewall-cmd, TCP wrappers, ACLs on RedHat Linux servers
- Hands-on experience on multi-platform servers using Nagios tool, utilized this tool to configure and monitor
- Monitored logs, including processes, crash and swap management, with password recovery and performance tuning
- Configure and troubleshoot SAN storage, LUN and LVM.

### Developer Intern, 09/2016 - 07/2017

#### John Jay College Of Criminal Justice – City, STATE

- Managed Dell PowerEdge T40 Tower servers and Cisco catalyst switches
- Set up Ubuntu 20.0 PXE boot server
- Configured and deployed on-premises Ubuntu OpenStack Micro-Cloud for users
- Provided Network configurations and troubleshooting
- Set up VPN for students to access cloud remotely
- Created and managed instances, users, policies and storages for student's coursework
- Create Python Flask inventory application to keep track of compute nodes and hardware

## EDUCATION AND TRAINING

### Bachelor of Science: Computer Science And Information Security

#### CUNY - John Jay College of Criminal Justice - New York, NY

Cum laude

graduate

### AWS Certified Cloud Practitioner Google - IT Automation with Python

## ADDITIONAL INFORMATION

- PORTFOLIOS, PROFILES [www.linkedin.com/in/Jessicabin](http://www.linkedin.com/in/Jessicabin)