

# JESSICA CLAIRE

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## SUMMARY

- Over 4 years of experience in Analysis, Design, Development, Management, and Implementation of various standalone and client - server architecture-based enterprise application software.
- Experience in each phase of software Development life cycle (SDLC) in Agile Software Methodology and the waterfall methodology.
- Exposed to all aspects of software development life cycle such as Analysis, Planning, Developing, Testing and Implementing and Post-production analysis of the projects.
- Extensive experience of working with the build and deployment of large-scale applications.
- Hands on experience with Subversion and GIT.
- Experience in Administration / Maintenance of source control management systems such as Git Hub and Subversion SVN. Created tags and Branches, fix the merge issues and administered Software Repositories.
- Hands on experience with bug tracking tools like Tracker, Jira, HP Service Manager and TFS.
- Proposed and implemented branching strategies in version control systems.
- Experience in a UNIX environment and expertise in several flavors of Linux including Red Hat, CentOS, and Ubuntu.
- Strong experience in System Administration, Installation, Upgrading Patches, Configuration, Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning on Red Hat Linux Systems.
- Experience writing Ruby, Python, Shell (Bash), Perl and Batch/PowerShell scripts to automate the deployments.

## SKILLS

- SVN, Git
- Jira, Splunk
- Jenkins, Ansible, Kafka, HPSA
- Cloud Environment
- Amazon Web Services (AWS)
- Perl, Shell (Kshell, Bash), Python
- Django
- MySQL, PostgreSQL, Oracle DB, MS-SQL
- Windows(2K8,2K12,2K16), Linux (RHEL, Ubuntu, Centos)

## EXPERIENCE

12/2018 to Current **Python Developer**

**Motion Recruitment** – Braselton, GA

- Developed most of the application part in Linux environment and very much familiar with all of its commands.
- As member of Release Engineering group, redefined processes and implemented tools for software builds, patch creation, source control, and release tracking and reporting.
- Assist with maintaining current build systems, developed build scripts, and maintained the source control system.
- Experience in using collections in Python for manipulating and looping through different user defined objects.
- Used python and bash for automation of different installations like Perl packages and Anthilpro.
- Worked on ansible deployments, written various ansible playbooks with multiple roles, tasks with loops, templates, service management, host variables, group variables etc.
- Used Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
- Ansible playbook for application deployment and configuration management, orchestration on virtual instances to install and push initial configuration.
- Provide software configuration, perform failure analysis of system architecture and migrations.
- Created entire application using Python, Perl, PostgreSQL and Linux.
- Experience of various Python application development and CI/CD pipeline tools like GitHub, Jenkins and Unix shell scripting.
- Setting up the Ansible control machine (RHEL7) and configured the remote host inventories via SSH.
- Involved in Python OOP code for quality, logging, monitoring, and debugging code optimization.
- Created Unit test/ regression test framework for working/new code.
- Used PyQt to implement GUI for the user to create, modify and view reports based on client data.
- Automated installation of the universal Splunk forwarder on several Unix servers.
- Developed several standalone scripts for the installing and the uninstalling different RPM's.
- Environment: Python, Bash, Jenkins, Ansible, UNIX/ Linux, windows, HPSA, GIT, Groovy, Jira, Perl, Agile, JSON, Splunk.

09/2017 to 11/2018 **AWS Python Developer**

**Cognizant Technology Solutions** – Deerfield Beach, FL

- Built CI pipeline to automatically test all code commits and CD pipeline for developers to ship code to production.
- Implemented Continuous Integration using Jenkins and TFS.
- Developed Views and Templates with Django view controller and template architecture to create a user-friendly website interface.
- Configured the Django admin site, dashboard and created a custom Django dashboard for end users with custom look and feel.
- Used Django APIs for database access.
- Used Python and Django for XML, JSON processing, data exchange and business logic implementation.
- Created and run test automation scripts for regression testing using Selenium.
- Coordinate and assist developers with establishing and applying appropriate branching, labeling and naming conventions using GIT source control.
- Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.
- Implemented AWS solutions using E2C, S3, RDS, EBS, SNS, Elastic Load Balancer, and Auto scaling groups, Optimized volumes and EC2 instances.
- Designed, build and deployed applications utilizing AWS EC2, Route53, S3, RDS, DynamoDB, Lambda, SQS and IAM etc.
- Configured Elastic search, Log stash and Kibana (ELK) for log analytics, full text search, application monitoring in integration with AWS Lambda and Cloud Watch.
- Composed high level Kafka producers and consumers for the data streaming across various databases.
- Created the REST API using python and used DJANGO.
- Strong Expertise in working with server-side technologies including databases, Restful API and MVC design patterns.
- Managed datasets using Panda data frames and MySQL, queries MYSQL database queries from python using Python-MySQL connector and MySQL dB package to retrieve.
- Designed and developed components using Python with Django framework.
- Implemented code in python to retrieve and manipulate data.
- Involved in writing SQL queries implementing functions, triggers, cursors, object types, sequences, indexes etc.
- Environment: Java, Subversion SVN, AWS (EC2, S3, Route53, ELB, EBS, VPC, AMI, SNS, SQS, RDS, IAM, Lambda), JIRA, AWS, ANT, GIT, Maven, Jenkins, UNIX/ Linux, Python, Ruby, Shell, Perl.
- Galaxy I technologies.

09/2016 to 08/2017 **Linux Admin-Intern**

**Galaxy I Technologies** – City, STATE

- Linux using kick-start and applying security polices for hardening the server based on the company policies.
- Performing capacity analysis, monitoring and controlling disk space usage on systems.
- Monitoring system activities and fine-tuning system parameters and configurations to optimize performance and ensuring security of systems.
- Install, configure, and troubleshoot enterprise-wide Apache web servers and Tomcat application containers in a large Red Hat Linux/CentOS environment.
- Deploy, upgrade and maintain application and web servers.
- Designing Firewall rules for new servers to enable communication with application.
- Setting up network environments using TCP/IP, NIS, NFS, DNS, VSFTP and DHCP.
- Setting up user and group login ID's, printing parameters, network configuration, password, resolving permissions and access related issues via ACL.
- Providing technical support for internal users and resolving trouble shooting tickets.
- Red Hat Package Management (RPM) and YUM package installation and maintenance.
- Remote system administration via tools like SSH and Telnet.
- Extensive use of crontab for job automation.
- Works with Database administrators to tune kernel for Oracle installations.
- Provide After Hours and On-Call Linux support to Development team & internal customers.
- Monitor system activities and fine tune system parameters and configurations to optimize performance
- Environment: Linux, RPM, SSH, TCP/IP, NIS, NFS, DNS, VSFTP, DHCP, ACL, CentOS, VMware.

## EDUCATION AND TRAINING

2016 **Master of Science: Computer Engineering**  
**California State University - Fullerton**