

JESSICA CLAIRE

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Summary

- Over 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.
- Experience writing Ruby, Python and Batch/PowerShell scripts to automate the deployments.

Skills

- SVN, Git
- Jira, Splunk, Github
- Jenkins, Datadog, 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

Python Developer, 06/2022 to Current

General Dynamics – Houston, TX

- 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 Anthillpro.
- 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.

Software Engineer, 02/2020 to 04/2022

Foundation Capital – Greenville, SC

- 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.
- 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.
- 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.
- 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.

Software Engineer Trainee, 11/2017 to 01/2019

Booz Allen Hamilton Inc. – Hawaii, HI

- Within a collaborative development environment, designed business systems for clients from diverse industries, including insurance, ecommerce, retail, and human service. Engineered customized features and modules for new applications; devised enhancements and updates for existing application suites. Conducted detailed testing throughout the life cycle and resolved existing issues. Prepared overall system designs and documentation.

Selected projects include:

- Complete Assessing: Coordinated with various teams on client's end as well as with the internal teams for gathering requirements. Interaction with compliance teams and project managers throughout the project Played a key role during development, launching and enhancements of this large scale web application.
- Flexible Web Solutions: Assisted in architecture and database design. Provided user requirements analysis, design and modules specifications. Developed and integrated key modules and provided working demo to client. Fueled additional revenue stream through responsive technical support.
- Seriously Spoiled Salon and Spa: Contributed software engineering expertise in the development through the software development lifecycle, from requirement definition to successful deployment. Followed best practices that enhanced the overall performance and customization of various front end components.

Education and Training

Bachelor of Science: Computer Engineering, 2017

Gujarat Technological University - Gujarat