**Saritha**

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**PROFESSIONAL SUMMARY:**

* Over 9+ years of experience as a python developer, software development and design using Python, Django, **XML, HTML, DHTML**, **C#,** **Oracle PL/SQL**, Postgres.
* Experienced in **installing, configuring, modifying, testing, and deploying applications with AWS** (Amazon Web services).
* Experience in all phases of **Software Development Life Cycle (SDLC)-Waterfall**, agile Process across various workflows (Requirement study, Analysis, Design, Coding, Testing, Deployment and Maintenance) in Web & Client/Server application development.
* Extensive experience in developing web applications using **Python, Django, Flask frameworks.**
* Experience in working with **several python libraries including Beautiful soup, NumPy, matplotlib, SciPy, PyQt, SQLAlchemy.**
* Hands-on experience with industry-standard IDEs like **PyCharm, Sublime, NetBeans.**
* Extensive experience in developing applications by implementation of web based and client/server application using **HTML, Angular JS, Node JS, CSS, JavaScript, and various Java/J2EE technologies.**
* Good experience in **Shell Scripting, Oracle RDBMS, SQL Server, UNIX, and Linux**.
* Good knowledge of **TCP/IP, UDP, HTTP, HTTPS, SSH and SSL protocols.**
* Expert at version control systems like Git, SVN and CVS, Migrated repos from svn to GitHub.
* Proficient in writing SQL Queries, Stored procedures, functions, packages, tables, views, triggers using relational databases like Oracle, MYSQL Server.
* Experience with source code testing frameworks like JUnit, PyUnit.
* Experience object-oriented programming **(OOP) concepts using Python.**
* Well versed with design and development of presentation layer for web applications using technologies like **HTML, CSS, jQuery and JavaScript.**
* Good experience in working with Amazon Web Services **(AWS) like AWS EC2, S3, VPC, SES, ELB, EBS, RDS, Glacier, DynamoDB…etc.**
* Good knowledge on **C, C++ languages including threads, templates**, Polymorphism and OO concepts.
* Experience in using **XML, SOAP, REST web Service** for inter operable software applications.
* Hands on experience with bug tracking tools **JIRA and Bugzilla**.
* Experience **in Agile development** processes ensuring rapid and high-quality software delivery
* Highly motivated, quality minded developer, with proven ability to deliver applications against tight deadlines.

**EDUCATION:**

* Jawaharlal Nehru Technological University, 2014

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Languages** | Python |
| **Cloud Services** | AWS, Microsoft Azure, GCP |
| **Defect Tracking** | JIRA, Bugzilla, and VersionOne |
| **Web Server** | Apache Webserver, IIS |
| **Integration Tools** | Jenkins, IBM integration and Web Builder |
| **Tools** | Django, Spyder, Visual Studio, Tableau Analytics Wynsure |
| **Databases** | Oracle 10/11g, MySQL, SQL Server, and PostgreSQL, MongoDB |
| **Operating Systems** | Unix, Linux, Ubuntu, Solaris, Windows and MacOS |

**PROFESSIONAL EXPERIENCE:**

**TJX Companies INC, Framingham, MA Jan 2023 – Present**

**Python Developer**

Responsible for Business Development, Solution Design, and Managing Service partners, lead and manage POC’s. Development was done with Django and database using SQL server.

**Responsibilities:**

* Worked with Terraform for automating **VPCs, ELBs, security groups, SQS queues, S3 buckets**, and continuing to replace the rest of our infrastructure.
* Hands-on configuring applications on **AWS EC2** instances and the stage on S3 buckets. Perform S3 buckets creation, policies and IAM role-based policies and configuring user access levels.
* Utilized Python Libraries like **Boto3, NumPy for AWS.**
* Hands-on experience using **IAM for creating roles, users, groups, and MFA** to provide additional security to AWS account and its resources.
* Worked on **CSV files** while trying to get input from the **MySQL database.**
* Using raw files loaded data files from **URL’s to Amazon S3 Bucket**.
* Developed AWS Lambda functions in **Python using S3** and **SQS triggers** to automate workflows and developed Python scripts to store and retrieve objects in AWS S3 buckets. Developed scripts in Python **using boto3** API’s to retrieve messages from various events.
* For Paccar customer application we have created near **real time Api’s** and integrated with salesforce.
* Implemented **single sign on** for the Paccar customer apps. Enabled customers to seamlessly access all the customer app’s with single identity.
* Used **Kubernetes** to deploy scale, load balance, and worked on Docker Engine, Docker HUB, Docker Images, Docker Compose for handling images for installations and domain configurations.
* Worked on reading queues in **Amazon SQS**, which have paths to files in Amazon S3 Bucket.
* Aggregate clean files in **Amazon S3.**
* Used Amazon **EMR** for map reduction jobs and test locally using Jenkins.
* Also worked on **Amazon EC2** Clusters to deploy files into Buckets.
* Developed and maintained the Verification and Validation group's project schedules and roadmap ensuring project on schedule.
* Experienced in **Agile Methodologies and SCRUM Process**.
* Automated setting up server infrastructure for the **DevOps services, using Ansible, shell and python scripts.**
* Exported/Imported data between **various data sources**.
* Designing and implementing CI (Continuous Integration) system: **configuring Jenkins Servers, Jenkins nodes**, TFS creating required scripts (Perl & Python), and creating/configuring VMs (Windows/Linux).
* Used Azure Container Services with **Kubernetes** for Orchestrating the servers.
* Created database using **MySQL, wrote several queries to extract/store data**.

**Environment:** AWS, Glue, EMR, GIS, spark- SQL, Scala, Lambda, python, MySQL, Auth0, Step functions, Jenkins.

**VMware, Palo Alto, CA Feb 2022 – Dec 2022**

**Python Developer**

The project dealt with creating an Intranet application that helps in getting the insurance data of customers from the SQL Server and displaying it onto the UI and performing data curation.

**Responsibilities:**

* Imported the data from different sources like cloud services, Local file system into Spark RDD and worked on cloud Amazon Web Services (**EMR, S3, EC2, Lambda**).
* Developed the application by following Agile methodology and Scrum method of project management
* Imported the data from different sources like cloud services, Local file system into Spark RDD and worked on cloud Amazon Web Services (**EMR, S3, EC2, Lambda**).
* development utilizing Python, Apache Spark, Amazon EMR, S3, AWS Lambda, and Jenkins.
* Worked with **Spark** for improving performance and optimization of the existing algorithms in Hadoop using **Spark** Context, **Spark YARN.**
* Worked with testing methodologies like unit testing, Pytesting.
* Creating the lambda for copying the files automatically when the files are available.
* Developed Preprocessing job using **Spark Data frames** to flatten **Json** documents to flat file.
* Analyze the customer data and account information before transmission and create the post and preprocessing record length.
* Detokenizing the sensitive information using Turing before the file transfer.
* Creating and Updating **EFG** routes as per requirement and mentoring the file transmission.
* Coordinating with different teams with file transmissions and failures.
* Updating the IAM roles as per requirements and providing the access for users.
* Fallow up with Bureaus regarding files failures and finding the solution and developing the application as per solution.
* Worked on Jenkins for continuous integration to build code and deploy into remote servers.
* Involving the developing the ATDD functionality and processing the test files.
* Start involving with Quantum to start working with bureaus file process.
* Involved in production deployments and implementing the deployments on prod.numpy

***Environment:***Python 3.7, JIRA, Spark, Spark-Streaming, Hadoop 2.7, AWS, EMR,S3,Mongo DB, Git, GitHub, AWS, Amazon Lambda, Jenkins,EC2,Apachi spark, Json

**LPL, San Diego, CA Oct 2021 – Feb 2022**

**Python Developer**

LPL Financial LLC is the largest independent broker-dealer in the United States. Worked on development of customer support and complaints registration system for LPL. This is a Post sales and Customer feedback and complaints management system.

**Responsibilities:**

* Worked in Agile development following Scrum process, Sprint, and daily stand-up meetings
* Developed Views and **Templates with Django view controller** and template language to create a user-friendly website interface.
* Worked on frontend and backend modules using **Python on Django Web Framework.**
* Created application structure based on **Angular** style guides and best practices
* Built S3 buckets and managed policies **for S3 buckets** and used S3 bucket and Glacier for storage and backup on AWS
* Design and Developed Web Services, **RESTful API’s** for Mobile Apps using Python Django-REST and Flask Frameworks
* Developed complex database objects like stored **Procedures, Functions, Packages, and triggers using SQL and PL/SQL.**
* Created a **Lambda Deployment function**, and configured it to receive events from your **S3 bucket**
* Designing and implementing **Docker** workflow reduced built and deployment times.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the **HTML, CSS, JavaScript, and jQuery.**
* Extensively used the advanced features of **PL/SQL like records, Tables, Object types and Dynamic Sql.**
* Created APIs, database Model and Views Utilization Python to build responsive web page application.
* Used GitHub for Python source code version control, Jenkins for automating the **build Docker containers,** and deploying in Mesos
* Developed multiple **React Redux based** pages that provided functionality for Login/Logout, display of vendor data like vendor opportunity, top vendors, a tile-based display of important overview information, summary metrics etc.
* Designed and implemented a dedicated **MySQL database** server to drive the web apps and report on daily progress.
* Used PyUnit, the Python unit test framework, for all Python applications. Build application and database servers using **AWS EC2 and create AMIs as well as use RDS for Oracle DB .**
* Developed Complex database objects like **Stored Procedures, Functions, Packages and Triggers using SQL and PL/SQL**.
* Worked on **Jenkins** continuous integration tool for deployment of project.
* Design and implement **availability, scalability, and performance** plans for the cloud managed service environment.
* Extensively used bulk collection in **PL/SQL** objects for improving the performing.
* Used Git for the version control.
* Created a **Git repository** and added the project to GitHub.
* Collaborated with internal teams and external teams to solve the issues and giving feedbacks.
* Worked on object-oriented programming (OOP) concepts using **Python, Django and Linux.**
* Used **JIRA** for bug tracking and issue tracking.
* Practical experience with working on multiple environments like development, testing, production.

**Environment:** Python, Django, HTML5/CSS, MySQL, JavaScript, Eclipse, Linux, Shell Scripting, Ansible, jQuery, AWS, GitHub, JIRA, MS Office, and UNIX.

**Synchrony Financial, Hyderabad, India Dec 2017 to June 2021**

**Python Developer**

**Responsibilities:**

* Followed Agile Methodologies to manage full life-cycle development of the project.
* Developed views and templates with Python and Django view controller and templating language to create a user-friendly website interface.
* Worked on large-scale, high-traffic Python web applications to define and implement new features, enhance core functionality, and integrate with other platforms and services.
* Installation, configuring, upgrading, migrating, and patching of **DB2**, **Oracle**, and **SQL** **Server**.
* Expertise in establishing database connections for Python by configuring packages like **MySQL**- Python.
* Handled potential points of failure through error handling and communication of failure.
* Performed efficient delivery of code based on principles of Test Driven Development (**TDD**) and continuous integration to keep in line with Agile Software Methodology principles.
* Worked on installing and setting up the channels by using **Django**. Used JavaScript and **JSON** to update a portion of a webpage.
* Build **SQL** queries for performing various **CRUD** operations like create, update, read and delete.
* Skilled in using Collections in Python for manipulating and looping through different user defined objects.
* Deployed the project into Heroku using the **GIT** version control system and Microservices.

**People Tech, Hyderabad, India Mar 2014 - Nov 2017**

**Python Developer**

Responsible for Business Development, Solution Design, and Managing Service partners, Lead Generation, Proposal Development, and Develop BOM &amp; SOW on Site Meeting, BOM, Managing POCs, and Training Delivery. Market Intelligence, Customer Acquisition, developing new products and solutions, Development using Python, Django, Database modelling using PostgreSQL.

**Responsibilities:**

* Worked on back-end modules of the project are developed using Python with Django Framework.
* Designed and developed the data management systems using MySQL databases.
* Written Python Scripts to parse the XML documents and load the data in the database.
* Utilized the existing Python and Django modules and rewritten them to deliver data in required formats.
* Written indexes, views, constraints, stored procedures, triggers, cursors, and user-defined functions or subroutines in MySQL.
* Responsible for debugging and troubleshooting the application.
* Utilized a Subversion control tool to coordinate teamwork.
* Used Selenium Libraries to write a fully functioning test automation process.

**Environment:** Python 2.6, Django, UNIX, MySQL and Bugzilla.