Professional Summary:

* **Having** **12+ Years** of IT experience as a **Web/Application Developer** and coding with analytical programming using **Python and Django.**
* Experienced with full software development life-cycle, architecting scalable platforms, object-oriented programming, database design and agile methodologies.
* Experienced in working with various stages of Software Development Life Cycle (**SDLC**), Software Testing Life Cycle (**STLC**) and QA methodologies from project definition to post-deployment documentation.
* Experience with **Design, code, debug operations, reporting, data analysis** and **Web Applications** utilizing **Python**.
* Experienced in implementing **Object Oriented Python**, **Hash Tables** (**Dictionaries**) and Multithreading, Django, MYSQL, Exception Handling and **Collections** using **Python**.
* Worked with MVW frameworks like **Django,** **Angular JS,** **HTML,** **CSS,** **XML,** **Java Script,** **jQuery,** **Bootstrap.**
* Experience in writing JSON REST APIs using **Golang.**
* Strong experience of software development in Python(libraries used: **libraries**-Beautiful Soup, **numpy,** **scipy,** **matplotlib,** python-twitter, **Pandas**data frame, networkx, urllib2, MySQL dB for database connectivity) and **IDEs**- sublime text, Spyder, emacs.
* Hands-on experience working with various Relational Database Management Systems (RDBMS) like **MySQL**, Microsoft SQL Server, Oracle & non- relational databases (NoSQL) like **MongoDB** and **Cassandra**.
* Experienced in developing Web Services with Python programming language - implementing JSON based **RESTful** and **XML** based **SOAP** web services.
* Experience in using Design Patterns such as **MVC**, Singleton and frameworks such as DJANGO, Ability in handling **Django ORM** (Object-Relational Mapper) and **SQL Alchemy**.
* Proficient in Python OpenStack **API'S** and **GUI** framework - Pyjamas (for web).
* **Pycharm** Proficient in performing Data analysis and Data Visualization using Python libraries.
* Scaling up projects using python tools like multithreading, celery.
* Experience in using Version Control Systems like the one **GIT**, **SVN** and **CVS** to keep the versions and configurations of the code organized.
* Experience in **UNIX/Linux shell** scripting for job scheduling, batch-job scheduling, automating batch programs, forking and cloning jobs.
* Exposure to **CI/CD** tools - Jenkins for Continuous Integration, **Ansible** for continuous deployment.
* Extensively worked on **Hudson/Jenkins**, Build Forge for continuous integration and for End-to-End automation for all build and deployments.
* Experienced with containerizing applications using **Docker**.
* Experience in maintaining and executing build scripts to automate development and production builds.
* Experience in **Amazon Web Services (AWS)** cloud platform like **EC2**, **Virtual private clouds**(VPCs), Storage models (**EBS**, **S3**, instance storage), **Elastic Load Balancers** (ELBs).
* Experienced in developing **API** services in Python/Tornado, while leveraging **AMQP** and **RabbitMQ** for distributed architectures.
* Experience in developing **ColdFusion** Components, custom tags and modified CF Objects.
* Experience with Unit testing/ Test driven Development (TDD), Load Testing.
* Experienced in building tools such as **ANT**, **Apache MAVEN**, and **JENKINS**.
* Experience in deploying applications in heterogeneous Application Servers TOMCAT, Web Logic and Oracle Application Server.
* Good Experience on testing tools like **JIRA** and **Bugzilla** for bug tracking.
* Excellent interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and work well in team environment.
* Experienced in WAMP (Windows, Apache, MYSQL, and Python/PHP) and LAMP (Linux, Apache, MySQL, and Python/PHP) Architecture.
* Experienced in installing, configuring, modifying, testing, and deploying applications with Apache.
* Understanding of Python Best Practices (PEP-8).
* Well versed with design and development of presentation layer for web applications using technologies like HTML, CSS, and JavaScript.
* Worked on SQL and PL/SQL stored procedures, which are used to create access to data, and deployed them to Oracle and SQL server databases.
* Familiar with JSON based REST Web services and Amazon Web Services (AWS).
* Experienced in developing Web Services with Python programming language.

**Technical Skills:**

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| --- | --- |
| **Languages:** | Python, C, C++, Shell Script, Java, PHP, PL/SQL, Ruby |
| **Version Controls:** | GIT, GitHub, SVN, CVS |
| **Web Technologies:** | JavaScript, HTML, CSS, jQuery, AngularJS, ExtJS, Node JS, JSON and bootstrap. |
| **Frameworks:** | Django, Flask, Pyramid |
| **Web Services:** | Soap, Apache Axis, Restful |
| **Bigdata Technologies:** | Hadoop, Hive, Pig, Spark |
| **Cloud:** | AWS, Open stack |
| **Databases:** | PostgreSQL, MySQL, MariaDB, Oracle 8i/9i/10g, MS Access, SQL Server, Sybase, SQLite, SQL Alchemy |
| **Operating Systems:** | Linux, Windows, IOS, MAC OSX |
| **NoSQL Databases:** | Mongo DB, Redis, Cassandra |
| **Protocols:** | TCP/IP, HTTP/HTTPS, SMTP |

**Professional Experience:**

**Client: FPI, MA Feb 2023 – Till Date  
Role: Sr. Python Developer**

**Responsibilities:**

* Gathering requirements and translating the **Business details** into **Technical design**.
* Participated in all the stages of software development lifecycle **(SDLC)** like design, testing development and implementation.
* Worked within cross-functional teams to decompose monolithic applications into **microservices,** ensuring high cohesion and low coupling.
* Developed entire frontend and backend modules using **Python**on **Django Web Framework**by implementing MVC architecture.
* **Orchestrated complex event patterns** and schedules in **EventBridge**, enabling sophisticated automation and integration workflows.
* Implemented **Helm** charts to manage **Kubernetes** deployments for **Python** applications, ensuring consistent and repeatable deployments.
* Optimized costs by utilizing **Step Functions**' pay-as-you-go pricing model, ensuring efficient resource usage and budget management.
* Maintained a clean and maintainable codebase by using **lambda** functions to encapsulate simple, single-use logic.
* Proficient in **Java** **programming** with experience in developing **robust**, scalable application
* Developed the tools using **Python Django**and used **MongoDB**for databases. Parsers written in Python for extracting useful data from the design data base. Used Parse kit (Enigma.io) framework for writing Parsers for ETL extraction.
* Monitored and logged events in **EventBridge** using CloudWatch, creating custom **metrics** and alarms for proactive issue resolution.
* Developed and deployed **Python**-based applications on **Azure** App Service, optimizing for scalability and performance.
* Integrated **microservices** with databases, including SQL (**PostgreSQL, MySQL**) and NoSQL (MongoDB, Redis) for efficient data storage and retrieval.
* Coordinated asynchronous tasks using **Step Functions** to manage long-running processes and improve application performance.
* Extensive experience in developing data processing applications using **PySpark**.
* Developed custom **Helm** charts for **Python** **microservices**, encapsulating application configurations and **Kubernetes** resources
* collaborated on full-stack projects, utilizing **Vue.js** for front-end development and **Python** frameworks like Django or Flask for back-end logic and data processing.
* Monitored and managed **Spring Boot** applications using **Python** scripts and monitoring tools for performance tuning.
* Developed unit and integration tests for **Camunda** workflows using Python testing frameworks.
* Expertise in writing complex **Spark** **SQL** queries to extract and manipulate data.
* Implemented responsive user interface and standards throughout the development and maintenance of the website using the **HTML**, **CSS**, **JavaScript**, **Bootstrap, jQuery**.
* Effectively integrated **lambda** functions with popular **Python** libraries such as **Pandas** and **NumPy** for efficient data manipulation.
* Configured **Spring Boot** applications with **Python-based** configuration management tools for dynamic property resolution.
* Implemented **Vue.js** with **Nuxt.js** for server-side rendering (SSR) in applications, improving **SEO** and performance in **Python**-driven web environments.
* Implemented asynchronous processing with **Python** Celery, integrated with **Camunda** for robust workflow management.
* Ensured cross-browser compatibility and responsiveness in **Vue.js** applications, working closely with **Python** developers to meet project requirements.
* Utilized **Azure** Functions to build serverless **architectures**, streamlining event-driven workflows with **Python**
* mplemented CI/CD pipelines using tools like Jenkins, GitLab CI, or GitHub Actions to automate deployment of Python **microservices**.
* Implemented **Kafka** producers and consumers in **Python** to facilitate real-time data streaming and processing.
* Extensively worked with **spark Data frames**for ingesting data from flat files into RDD's to transform unstructured data and structured data.
* Utilized **Spring Boot’s** dependency injection and inversion of control (IoC) to create modular and testable **Python**-integrated services.
* Proficient in utilizing **PySpark** DataFrame and RDD APIs for efficient data manipulation and transformation.
* Worked on MongoDB database concepts such as locking, transactions, indexes, Sharding, replication, schema design.
* Experience in creating **Docker** containers leveraging existing Linux Containers and AMI's in addition to creating Docker containers from scratch.
* Utilized **Camunda’s** external task pattern to offload tasks to **Python** workers for scalable processing.
* Leveraged the parallel execution feature of **Step Functions** to run multiple tasks concurrently, reducing overall processing time
* Leveraged **Spring Boot's** security features to authenticate and authorize **Python-based** applications.
* Strong understanding of object-oriented programming (OOP) principles and design patterns in **Java**.
* Utilized **Helm** hooks to manage pre- and post-deployment tasks, such as database migrations and application **bootstrapping**, for **Python** applications.
* Created and executed complex workflow models using **Camunda** Modeler, integrated with **Python** back-end services.
* Combined **lambda** functions with list comprehensions to create more expressive and concise data transformations.
* Integrate the dynamic pages with **Angular.JS** and **jQuery** to make the pages dynamic.
* Setup Docker on Linux and configured Jenkins to run under Docker host.
* Proficient in using Apache **Spark** with **PySpark** for large-scale data processing and analytics.
* Developed various API’s for **Django** applications using **Django-tasty pie**.
* Used JIRA to build an environment for development.
* Improved performance in data-intensive applications by utilizing **lambda** functions for inline operations.
* Developed and maintained **RESTful** web services using **Java** frameworks like Spring Boot.
* Experienced in developing and optimizing Spark applications for performance and scalability.
* Developed custom event buses and rules in **EventBridge** to route events to target services, ensuring seamless data flow across **microservice** .
* Developed Wrapper in Python for instantiating multi-threaded application.
* Creating **RESTful** web services for Catalog and Pricing with **Django MVT**, **MySQL**, and **MongoDB**.
* Fixed bugs, providing production support, enhanced applications by improving code reuse and performance by making effective use of various design patterns.
* Implemented comprehensive error handling strategies within **Step Functions** to manage exceptions and ensure workflow reliability.
* Implemented data persistence using **Java** Persistence API (JPA) and Hibernate **ORM**.
* Developed complex ETL pipelines using **PySpark** to process and analyze large datasets.
* Experienced in developing and optimizing **Spark** applications for performance and scalability.
* Designed and optimized **Kafka** message schemas using Avro for efficient data serialization and compatibility.
* Deployed and monitored scalable infrastructure on Amazon web services (**AWS**).
* Implemented monitoring, established best practices around using Elastic search,and used AWS Lambda to run code without managing servers.
* Familiar with **Java's** concurrency model and multithreading techniques for optimizing application performance.
* Implemented error handling and retries for event processing using **EventBridge** and **Lambda** functions in **Python**, improving system reliability
* Front-end web development using HTML/CSS, jQuery, Bootstrap as well as back-end development using **Golang** and **SQL**.
* Utilized Docker for containerization and **Kubernetes** for orchestration of **Python-based microservices**.
* Configured **Kafka** clusters for **scalability** and fault tolerance, ensuring high availability of message queues
* Used Python based GUI components for the front-end functionality such as selection criteria. Administration of dedicated collocated RHEL 4 machine and configured complex Apache configuration files.
* Experienced in building a Command line tool to interact with RESTful API using in **Golang.**
* Familiar with **UNIX**/ **Linux**internals, basic cryptography & security.
* Integrated **Kafka** with **Python** applications using **Kafka-Python** library to handle asynchronous messaging and event-driven architectures
* Implemented data transformation and **ETL** pipelines using **PySpark**.
* Generated graphical reports using python package **Numpy** and **Matplotlib**.
* Implemented task object to interface with data feed framework, invoke database message service setup, and update functionality.
* 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.

**Environment:** Python, Django, Angular.js, CherryPy, Golang, HTML5, CSS, Bootstrap, JSON, JavaScript, AJAX, RESTful web service, MongoDB, MySQL, jQuery SQLite, Elastic search, Docker, Windows 12 Server, AWS (EC2, S3), PyUnit, Jenkins, Selenium Automation Testing.

**Client: Honeywell, India Oct 2021 – July 2022**

**Role: Full Stack Python developer**

**Responsibilities:**

* Analysis and Design of applications.
* Developed and tested many features for dashboard using Python, Django and JavaScript.
* Worked with millions of database records daily, finding common errors and bad data patterns and fixing them.
* Designed and developed ETL APIs which will automate the data mining in different database sources.
* Exported/Imported data between different data sources using SQL Server Management Studio.
* Maintained program libraries, user's manuals and technical documentation.
* Managed large datasets using Panda data frames and MySQL.
* Leveraged **lambda** functions for creating small, anonymous functions on-the-fly, minimizing the need for explicit function definitions.
* Managed and automated cloud infrastructure using **Azure** Resource Manager (**ARM**) templates and **Azure** CLI in **Python** scripts
* Integrated third-party libraries and plugins with **Vue.js** to enhance user experience, including real-time data updates from **Python** services using WebSockets.
* Implemented **Spring Boot**-based backend services, interfaced with **Python** scripts for data processing and analytics.
* Leveraged **Camunda’s** **Python** client library to automate business processes and monitor workflow execution.
* Seamlessly integrated **Step Functions** with other **AWS** services (**Lambda, S3, DynamoDB**) to build scalable and efficient cloud-based solutions.
* Designed and implemented event-driven workflows using AWS **EventBridge** and **Python**, improving system decoupling and **scalability**.
* Designed and developed **microservices** using **Python** frameworks such as Flask and **FastAPI** for scalable and maintainable applications
* Implemented **Spark** **SQL** queries in **PySpark** for data extraction and aggregation.
* Wrote and executed various MySQL database queries from python using Python-MySQL connector and MySQL dB package.
* Implemented **CI/CD** pipelines using **Azure DevOps**, integrating with **Python testing** frameworks and deployment strategies.
* Proficient in deploying and managing **Camunda** BPMN processes within **Python**-based microservices.
* Utilized **Step Functions'** state management to handle task sequencing, error handling, and retries, ensuring robust and resilient workflows.
* Utilized **Vue.js** with Webpack for bundling and optimizing front-end assets, enhancing performance in **Python**-driven web platforms.
* Experience with **Java** Integrated Development Environments (IDEs) such as IntelliJ IDEA and **Eclipse**
* Integrated **AWS** **EventBridge** with Python applications to enable serverless event-driven architecture.
* Designed **lambda**-based event handlers for **GUI** applications, enhancing responsiveness and reducing boilerplate code.
* Developed custom **Kafka** connectors in **Python** for seamless integration with various data sources and sinks.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the CSS3, HTML5, JavaScript, Angular.js and jQuery.
* Configured **Helm** value files to manage environment-specific configurations for **Python** applications across multiple environments.
* Skilled in developing custom workflow solutions with **Camunda's** **BPMN** and **DMN** capabilities.
* Hands-on experience with **PySpark** streaming for real-time data processing and analytics.
* Ensured secure event handling by setting up fine-grained IAM policies and roles for **EventBridge** and associated resources.
* Collaborated with backend developers to design and consume APIs, optimizing data exchange between **Vue.js** frontends and **Python** Flask/Django applications.
* Developed RESTful APIs using **Spring Boot**, consumed by **Python** clients for various business operations.
* Performed **Helm** chart versioning and releases, ensuring smooth application updates and rollbacks in **Kubernetes** clusters
* Designed and implemented complex workflows using **AWS Step Functions** to orchestrate **microservices** and serverless applications in **Python.**
* Hands-on experience in writing and reviewing requirements, architecture documents, test plans, design documents, quality analysis and audits.
* Configured dead-letter queues (**DLQs**) for **EventBridge** to capture and troubleshoot failed event deliveries, ensuring message integrity
* Experienced in integrating **Camunda** **BPMN** workflows with **Python** applications using **REST** API.
* Employed **lambda** functions to streamline data processing tasks, such as filtering and **mapping** data within collections.
* Familiar with **Spark** streaming for real-time data processing.
* Monitored **Kafka** performance metrics using tools like **Kafka** **Manager** and Prometheus, optimizing throughput and latency.
* Integrated **Spring Boot** **microservices** with **Python** applications for seamless data exchange and process automation.
* Setting up databases in AWS using RDS and configuring instance backups to S3 bucket
* Work closely with development teams to integrate their projects into the production AWS environment and ensure their ongoing support.
* Integrated **Spark** with other big data tools such as **Hadoop**, **Hive**, and **Kafka**.
* Performed troubleshooting, fixed and deployed many Python bug fixes of the two main applications that are main source of data for both customers and internal customer service team.
* Used Go Lang to create backend servers. Developed Micro services using Go language and developed corresponding test cases
* Integrated **PySpark** with other big data technologies such as **Hadoop**, **Hive**, and **Kafka**.
* Hands-on experience with **Spark's** DataFrame and RDD APIs for data manipulation.
* Conducted **Kafka** cluster maintenance tasks such as partition reassignment and broker configuration updates
* Contributed source code in Golang to developing an automation framework for AWS CFN.
* Created PDF reports using Golang and XML documents to send it to all customers at the end of month with international language support.
* Utilized **Python** **lambda** functions to implement concise and readable functional **programming** constructs in various projects.
* Taken part in entire life cycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
* Implemented **Kafka** Streams API in **Python** for real-time data processing and analytics, leveraging windowing and aggregation techniques.
* Implemented a continuous Delivery Pipeline with Jenkins and GitHub to build a new Docker container automatically
* Used Docker to implement a high-level API to provide lightweight containers that run processes isolation and worked on creation of customized Docker container images, tagged and pushed the images to the Docker repository.
* Worked in development of applications especially in UNIX environment and familiar with all of its commands.
* Refactored existing project to make it more RESTful and thread-safe.
* Documented **Helm** chart usage and best practices for the development team, facilitating knowledge sharing and standardized deployment processes
* Optimized **PySpark** applications for performance improvements and resource management.
* Utilized **Spark's** machine learning library (MLlib) for building and deploying machine learning models.
* Developed Golang API and chat-bot using TDD to automate software deployments and rollbacks
* Designed RESTful XML web service for handling AJAX requests.
* Created project designs utilizing MVC architecture components.

**Environment:** Python, Django, Golang, Angular.js, HTML5/CSS, UNIX, MS SQL Server 2013, AWS, T-SQL, Reports, JavaScript, Eclipse, Linux, Shell Scripting, Restful, MVC3.

**Client: Liberty Utilities, india Feb 2019 – Sept 2021**

**Role: Python Developer**

**Responsibilities:**

* Participated in requirement gathering and analysis phase of the project in documenting the business requirements by conducting workshops/meetings with various business users.
* Used the Django Framework to develop the application.
* Implemented web applications in Flask and spring frameworks following MVC architecture.
* Used Python to place data into JSON files for testing Django Websites.
* Updated and manipulated content and files by using python scripts.
* Organized Python code using PEP8 online tool including documentation of scripts.
* Implemented web applications in Flask and spring frameworks following MVC architecture.
* Installing, configuring and upgrading EMC Power-path for AIX servers.3
* mplemented state management with Vuex in complex Vue.js applications, ensuring efficient data flow and interaction with Python backends.
* Used Django configuration to manage URLs and application parameters.
* Wrote Automation test cases using Selenium WebDriver using Python API.
* Sole engineer responsible for automated test design, frontend and backend feature implementation, and any other improvements to the test automation framework.
* Designed and implemented a distributed, QA infrastructure for automated testing of a multi process software product.
* Worked on JavaScript MVC Framework like Angular.js.
* Abided by PEP8 Python coding standard for Squish scripts.
* Worked on Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Chef and Puppet.
* Developed dynamic, responsive user interfaces using Vue.js, seamlessly integrating with Python-based RESTful APIs.
* Worked on Python Open stack API's.
* Wrote Automation test cases using Selenium WebDriver using Python API.
* Installed Veritas Cluster Server on Solaris, with Oracle agent.
* Used Python scripts to update content in the database and manipulate files.
* Generated Python Django Forms to record data of online users
* Used Python and Django creating graphics, XML processing, data exchange and business logic implementation
* Used Pandas API to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Designed and managed Azure Cosmos DB and Azure SQL Database solutions, writing and optimizing queries with Python.
* Used Flask to connect front-end to back-end, CherryPy to build the server and word clouds to visualize movies.
* Used latest Video Conference Applications and worked extensively on them.
* Data mapping, logical data modeling, created class diagrams and ER diagrams and used SQL queries to filter data within the Oracle database.
* Performed daily administration functions, including database management, monitoring, performance tuning, backup & recovery and also general troubleshooting on multiple UNIX platforms and Windows Servers.
* Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.
* Developed tools using Python, Shell scripting, XML to automate some of the menial tasks.
* Used HTML, CSS, jQuery, JSON and JavaScript for front end applications.
* Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS, and JavaScript.
* Also, used Bootstrap as a mechanism to manage and organize the html page layout.
* Monitored and optimized Azure cloud resources using Azure Monitor, Application Insights, and custom Python scripts for logging and alerting.
* Used Django configuration to manage URLs and application parameters.
* Built various graphs for business decision making using Python matplotlib library.
* Wrote and executed various MYSQL database queries from Python using Python-MySQL connector and MySQL dB package.
* Worked with PIP in managing software packages written in Python.
* Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Configured and monitored Azure Kubernetes Service (AKS) for containerized Python applications, ensuring high availability and resilience.
* Manage, collaborate, and coordinate the work of an offshore development team.
* Worked on rebranding the existing web pages to clients per the type of deployment.
* Worked on updating the existing clip board to have the new features as per the client requirements.
* Responsible for debugging the project monitored on JIRA (Agile)
* Analyzed performance test requirements and developed test plans and have done debugging to understand test objective requirements.
* Performed troubleshooting, fixed and deployed many Python bug fixes of the two main applications that were a main source of data for both customers and internal customer service team.

**Environment:** Python, Amazon AWS S3, MySQL, HTML, Angular.js, Django, HTML5, CSS, XML, MySQL, MS SQL Server, JavaScript, AWS, Linux, Shell Scripting, AJAX.

**Client: Xcel Energy, India Mar 2017 - Jan 2019**

**Role: Python Developer**

**Responsibilities:**

* Involved in building database Model, APIs and Views utilizing Python, in order to build an interactive web-based solution.
* Responsible for setting up Python REST API framework using Django.
* Developed views and templates with Python and Django view controller and templating language to create a user-friendly website interface.
* Developed web applications in Django Framework model view control (MVC) architecture.
* Involved in Python OOP code for quality, logging, monitoring, and debugging code optimization.
* Developed tools using Python, Shell scripting, XML to automate some of the menial tasks. Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.
* Integrated GCP services into Python applications using GCP SDKs and APIs, such as IAM APIs for authentication and access control.
* Deployed Python applications on Google Kubernetes Engine (GKE), leveraging horizontal scaling, load balancing, and managed SSL certificates for improved performance and reliability.
* Utilized GCP monitoring and logging tools like Stackdriver to set up centralized logging and build custom monitoring dashboards for Python applications running on GCP.
* Implemented robust error handling and logging mechanisms in batch job scripts, resulting in quicker identification and resolution of issues.
* Developed Python batch processors to consume and produce various feeds.
* Design and documentation of REST APIs using Django Rest framework for collection and retrieval of high-volume data which is results of search query.
* Used AWS to build cloud instances EC2, storage buckets S3, RedShift, Security Groups, VPC etc.
* Wrote Python scripts to gather data from different vendors and created S3 buckets to store files.
* Developed Business Logic using Python on Django Web Framework.
* Developed Merge jobs in Python to extract and load data into MySQL database.
* Successfully migrated the Django database from SQLite to MySQL with complete data integrity.
* Used jQuery and Ajax calls for transmitting JSON data objects between frontend and controllers.
* Used jQuery for selecting particular DOM elements when parsing HTML.
* Worked on UI using HTML5, CSS3 and Java Scripts.
* Used GitHub for version control.
* Attended everyday Enterprise Workflow Stand-Up meeting to provide current status, thus implementing Agile (Scrum) Methodology with Test Driven Development.

**Environment:** Python 3.x, Django, Django Rest framework, AWS, SQLite, MySQL, and PostgreSQL, HTML5, CSS3, and JavaScript, jQuery and Ajax, GitHub, Shell scripting and XML, Agile (Scrum) Methodology, Test-driven development

**Client: Standalone IT Solutions, India Nov 2015 – Feb 2017**

**Role: Python Developer**

**Responsibilities:**

* Used Agile Methodology and SCRUM Process.
* Worked with the Stakeholders, gathered requirements developed High-level design Detail design documents.
* Developed UI using HTML, AJAX, JavaScript and jQuery and jQuery UI.
* Re-engineered various modules for implementing changes and creating efficient system.
* Developed rich UI web application using JavaScript libraries like jQuery UI, DataGrid, jscolor, and high charts.
* Designed and developed components using Python with Django framework. Implemented code in python to retrieve and manipulate data.
* Implemented database access using Django ORM.
* Used MySQL as backend database and MySQL dB of python as database connector to interact with MySQL server.
* Used Restful APIs to access data from different suppliers.
* Support the scripts configuration, testing, execution, deployment and run monitoring and metering.
* Used Python and Django creating graphics, XML processing of documents, data exchange and business logic implementation between servers.
* Used Restful API has to gather network traffic data from Servers.
* Supported Apache Tomcat web server on Linux Platform.
* Developed and executed User Acceptance Testing portion of test plan.
* Debugging Software for Bugs.

**Environment:** Python, Django, C++, HTML Restful API, MySQL, Shell Scripting, PL/SQL, Unix, Linux.

**Client: TPDDL, India July 2013 – Oct 2015**

**Role: Jr. Python Developer**

**Responsibilities:**

* Involved in the Design, development, test, deploy and maintenance of the website.
* Used Django framework for application development.
* Used Django configuration to manage URLs and application parameters.
* Worked in Test driven development with Behave in Python.
* Used HTML5/CSS3, XML and JavaScript for UI development.
* Used Angular.js as a mechanism to manage and organize the HTML page layout.
* Worked with jQuery for all client-side JavaScript manipulation.
* Implemented database access using Django ORM.
* Performed data extraction and manipulation over large relational datasets using SQL, Python, and other analytical tools.
* Used Python libraries and SQL queries/subqueries to create several datasets which produced statistics, tables, figures, charts and graphs.
* Wrote validation scripts in SQL to validate data loading.
* Followed Agile Methodology and SCRUM Process.
* Performed Unit and system testing.
* Trained users and provided production support.

**Environment:** Python, Django, TDD, HTML5, CSS3, JavaScript, Angular.JS, AJAX, jQuery, JSON, SQL, Agile and Windows.

**Client: Factset, India Aug 2011 – June 2013**

**Role: Python Developer**

**Responsibilities:**

* Wrote Python scripts to XML documents and load the data in the database.
* Designed and developed application front-end GUI using JSP, HTML, JavaScript, CSS, Ajax.
* Designed controller and business logic using Spring MVC module.
* Developed forms using HTML and performing client-side validations using JavaScript, jQuery and Bootstrap.
* Extensively developed stored procedures, triggers, functions and packages in oracle SQL, PL/SQL.
* Utilized Python in the handling of all the hits on Django, Redis, and other applications.
* Implemented SOAP using web services to interact with various devices to pull real-time data on the network.
* Loading, analyzing and extracting data to and from Oracle Database with Python.
* Used standard Python modules e.g., csv, itertools, jinja for development.
* Cleansing data generated from weblogs with automated scripts in Python.
* Using Mongo DB-NoSQL database for storing the information.
* Experience in writing complex queries to retrieve the data from MongoDB using aggregation.
* Used SVN repository for software configuration management and version control.

**Environment:** Django, Python, Waterfall, JavaScript, Mongo DB, XML, SOAP based web services, Apache Web Server, Hibernate ORM, Tomcat.