**Tirumal Rao Dadi**

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**PROFESSIONAL SUMMARY**

* Overall, 10+ years of technical IT experience in all phases of Software Development Life Cycle (SDLC) with skills in data engineering analysis, design, development, testing and deployment of software systems.
* Experienced **Data Engineer** with a proven track record of executing end-to-end Extract, Transform, and Load (ETL) processes using diverse technologies, including **Azure Data Factory, Spark, Python, and SQL**.
* Experienced with the entire **software development life-cycle** (SDLC) of the projects including Design, Development, Deployment, Implementation and Testing.
* Experience in **Python, Django, MVC Patterns, AWS, MySQL** and **Embedded SQL**.
* Experience in **AWS** services such as **EC2**, **ELB, Auto-Scaling, EC2 Container Service, S3, IAM, VPC, RDS, Lambda, EMR, AWS Workspaces**.
* Good Knowledge of using IDE Tools like **Sublime text, PyCharm, Eclipse, vs code, Atom**
* Strong knowledge of large-scale **Linux deployment methodologies, kernel configuration**, **performance monitoring, and tuning**.
* Experienced in processing **Big data** on the **Apache Hadoop framework** using **MapReduce** programs.
* Cloudera certified Hadoop Developer with hands-on experience on major components in Hadoop Ecosystem like **Hadoop Map Reduce, HDFS, HIVE, PIG, HBase, Zookeeper, Oozie and Flume.**
* Excellent understanding and knowledge of **NOSQL databases like HBase and MongoDB**
* Hands-on experience with Version control systems such as **Git, SVN, CVS, and Source Tree**.
* Experienced in implementing **Object Oriented Python**, **Hash Tables** (**Dictionaries**) and **Multithreading, Django, MYSQL, Exception Handling** and **Collections** using **Python**.
* Strong experience in using python libraries like **NumPy, Matplotlib, SciPy, Scikit Pandas, Scrapy**, etc.
* Great ability to write clear, maintainable and efficient codebase by following **PEP8 standards**.
* Used a Test driven approach for developing the application and Implemented the **unit tests** using Python Unit test framework.
* Proficient with **Unit testing/ Test driven Development** (TDD) and **Integration testing**.
* Experience with NoSQL technologies like **MongoDB, Cassandra** and relational databases like **Oracle, SQLite, DynamoDB MySQL and MS SQL** databases.
* Have very good experience in developing Test Frameworks, and experience working with the Django **framework**.
* Experienced in implementing and maintaining an **Apache Tomcat /MapR/MySQL/PHP**.
* Strong exposure in writing simple and **complex SQL** queries and creating **PL/SQL Functions**, Stored Procedures.
* Created scripts for system administration and **AWS** using languages such as **BASH and Python**.
* Transformed the manual release procedure for microservices to automation build on **Jenkins/Hudson** by working with multiple functional teams.
* Experience in automated framework provisioning and Application deployment using **Chef, Puppet and Ansible**.
* Experience in **Server infrastructure development** on **AWS Cloud**, extensive usage of **Virtual Private Cloud** (VPC), **Redshift**, **CloudFormation**, **CloudFront**, **RDS**, **S3**, **IAM**, **Security Groups**, **Route53 and SNS**.
* Knowledge on protocols like **HTTP, DHCP, DNS** and **SSL/TLS** and **firewalls like iptables**.
* Created **Python and Bash** tools to increase efficiency of call centre application system and operations, data conversion scripts**, REST, JSON and CRUD** scripts for API Integration.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Operating systems** | UNIX, Linux, Windows |
| **Programming Languages** | Python 2.7, Python 3, C, Java, ReactJs, PL/SQL, JavaScript, Shell Scripting, |
| **Markup Technologies** | HTML5, CSS, NodeJS, Bootstrap, jQuery, Dom, XML |
| **Databases** | MySQL, Oracle, SQL Server, postgre, SQL, NOSQL, HBase |
| **SDLC** | Waterfall, RAD, Agile, Scrum |
| **Frameworks** | Django, Flask, AngularJS, J2EE, Struts, MVC, |
| **Tools & IDE** | Pytest, Selenium, PyCharm, Sublime, Eclipse, NetBeans, XCode, Jet Brains |
| **Application Server** | Tornado, WebLogic, Tomcat, SOAP |
| **Python frameworks** | Pandas, NumPy, SciPy, Matplotlib, Django, pyramid, flask |
| **Development Tools** | Team Foundation Server (TFS), Rational Application Developer (RAD) |
| **Hadoop** | Scala, Spark, PySpark |
| **Web Servers** | Web Logic, Web Sphere, Apache Tomcat, JBOSS. |
| **Management Tech** | SVN, Git, Jira, Maven. |
| **AWS** | S3, SQS, SNS, EC2, CloudFormation, Athena, GlueJob, EBS |

**EDUCATION:**

**Bachelor of Technology in Electronics and Communication**, Baba Institute of Technology and Sciences, India.

**PROFESSIONAL EXPERIENCE:**

**Sr. Data Engineer/Python Developer June 2023 – Till Now**

**Client: General Motor’s**

**Responsibilities:**

* Gathered requirements from end clients through different meetings and created POCs to check different scenarios. POCs helped end clients to make informed decisions about their products, resulting in a 90% success rate.
* Developed and maintained GUI multithreaded PySide6 applications using a QThreadPool and signals and slots to communicate between threads.
* Leveraged Apache Spark with PySpark to process and analyze massive datasets in distributed computing environments, optimizing performance and scalability for data-intensive applications at General Motors.
* Developed and maintained Python-based ETL pipelines to efficiently extract, transform, and load large volumes of data from various sources into General Motors' data lake, ensuring data quality and reliability.
* Wrote PyTest tests to ensure the reliability and correctness of multithreaded PySide6 applications.
* Managed and maintained Linux-based servers and infrastructure at General Motors, ensuring high availability and reliability of critical systems.
* Developed and deployed PySide6 applications to production using a variety of deployment tools and techniques.
* Proficient in working with cloud-based data platforms like AWS, Azure, or Google Cloud Platform, leveraging services such as Amazon S3, Azure Data Lake Storage, or Google BigQuery to store, process, and analyze data effectively for General Motors' data-driven initiatives.
* Designed and implemented data models using Python libraries like Pandas and NumPy, providing structured representations of complex datasets to support analytics and reporting requirements across different business units at General Motors.
* Implemented data quality checks and validation processes using Python scripts and frameworks like Apache Airflow to ensure the accuracy, completeness, and consistency of data assets across General Motors' enterprise systems.
* Experienced in all aspects of application development, from requirements gathering and design to implementation and testing.
* Create Pyspark frame to bring data from DB2 to Amazon S3.
* Optimize the Pyspark Jobs to run on Kubernetes cluster for faster data processing.
* Analyzed the sql scripts and designed it by using PySpark SQL for faster performance.

**Environment**: Python 3.4/2.7, PostgreSQL, pyside6, pyspark, pytest.

**Sr. Data Engineer/ Python Developer Jan 2023 – June 2023**

**Client: Census Burau of Investigation**

**Responsibilities:**

* Gathering requirements and creating a POC to check different scenarios to the end client.
* Developed the tools using AWS different Resources for taking SAS dataset and cleansing the data and storing it in RDS (PostgreSQL).
* Participated in various meetings with the Customer’s and understanding the requirement and creating a POC
* Implemented Kafka cluster setup which can take Django microservice to process the message.
* Designed and developed RESTful APIs using Lambda and API Gateway.
* Develop a Restful API microservice using python fastAPI framework.
* Developed a Django application middleware where it can work on single sign.
* Develop High-quality code that meets customer requirements.
* Involved in SQL Query Optimization to speed up the slow running SQL queries by creating indexes and updating statistics by understanding SQL Execution Plans.
* In-depth skill of writing complex stored procedures and user-defined functions in Transact SQL (T-SQL) queries using SQL Server Management Studio (SSMS).
* Create documentation and update existing documentation.
* Deployed ansible automation platform hub and collaborated with system engineers on integration with application.
* Utilized Python's pandas and NumPy libraries within Amazon SageMaker notebooks to preprocess census data, handle missing values, and engineer relevant features to improve model performance and accuracy.
* Developed custom machine learning algorithms and scripts in Python for specialized analysis tasks specific to census data requirements, integrating them seamlessly into SageMaker's workflow for enhanced data processing and analysis capabilities.
* Developed and deployed machine learning models using Amazon SageMaker's Python SDK to analyze census data and extract meaningful insights for the client. Leveraged Python libraries such as scikit-learn, TensorFlow, and PyTorch for model training and evaluation.
* Used PyQt to implement GUI for the user to create, modify and view reports-based client data.
* Integrating CI and CD pipeline with Artifact Registry to integrate with GCP.
* I used cloud composer, Big Query and GCP storage bucket other than this I worked on several different resources in GCP.
* Implement best practices, standards, and procedures, including quality and delivery methodologies.
* Created Task definitions and services CloudFormation stacks for ECS Fargate container Deployments for multiple RESTAPIs and invoked the container from AWS lambda functions.
* I use Sqoop for importing and exporting data from HDFS to relational Database system.
* I use Pandas for data cleansing and data visualization and worked with matplotlib, Scikit and SciPy for statistical analysis.
* Wrote MapReduce and pig scripts to process the data as per the business requirement.
* Implemented Continuous Integration & Deployment pipelines for web applications using Jenkins Pipelines and GitHub integration plugins to automate deployments to staging environments before going live to customers.
* Participated in all the stages of software development life cycle (SDLC) like design, testing, development, and implementation.
* Worked with the SQLite Database to store the created program. User data, Variables, Layouts and details of ui elements are being stored in SQLite database.
* Using Django REST Framework interacted with Different API to pull the customer data for the authentication.
* Extensive knowledge of LTE network architecture and standards as well as system performance analysis.
* Worked with non-standalone architecture (NSA) and standalone architecture (SA)
* Worked on Agile methodology and for documentation I used confluence page.
* Developed a 3- Tier architecture infrastructure on AWS cloud using Terraform.
* I also migrated the terraform version from 0.11 to 0.12.
* Transform and analyze the data using pyspark, Hive, based ETL mapping.
* Wrote a custom middleware in Django which can handle okta single sign on authentication while deploying the application in the server.
* Creating job flow using Airflow in python language and automating the jobs.
* Configuring and setting up Airflow dags as per the requirements.
* Wrote a docker compose file for the application to run application on docker and to create a docker image.
* Used JIRA to build an environment for development

**Environment**: Python 3.4/2.7, PostgreSQL, Django, Data Modelling, Boto3, DynamoDB, Glue Job, CloudFormation, S3, Athena, splunk, VPC and Network Security, RDBMS, Lambda, Glue Job, Django, Docker, Airflow.

**Sr. Data Engineer/Python Developer Aug 2021 – Dec 2022**

**Client: Vanguard (PA)**

**Responsibilities:**

* Gathering requirements and translating the Business details into technical design.
* Developed the tools using AWS different Resources.
* Participated in all the stages of software development life cycle (SDLC) like design, testing, development, and implementation.
* Implemented Kafka producer and consumer application on kafka cluster setup with the help zookeeper.
* Created data tables utilizing PyQt to display customer and policy information and add, delete, Update customer records.
* Worked on creating dependencies of activities in Azure Data factory.
* Transforming data in Azure data factory with the ADF Transformation.
* For Data modeling I used MS Visio and Lucid chart.
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker container.
* Making a conceptual data modelling with interacting with customers.

Developing an application where it can be transcribe voice to word using different AWS

resources (s3 bucket, Athena, Sqs, Sns, AWS transcribe, GlueJob, VPC and network security, DynamoDB,

* Participated in various meetings with the Customer’s and understanding the requirement and delivering the product.
* Very Strong SQL Server (includes working with DML, DDL, Stored procedures).
* Worked on analysis by processing collected data and data visualization using pandas.
* Experience in alert handling, Experience root cause analysis of post-production performance related issue through Splunk tool.
* Create and maintain Schemas, Indexes, Stored Procedures, Triggers and Views for data retrieval and storage using the SQL Server.
* Very Strong SQL Server (includes working with DML, DDL, Stored procedures).
* Developed a spark application on distributed environment to load huge number of csv files with different schema into Hive orc table.
* Integrated HIVE, PIG and MapReduce jobs with elastic search to publish the metrics to the dashboard.
* Install configure and manage Ansible galaxy for automation.
* Implemented Monkey Patching to change the code dynamically at run time.
* Writing a Splunk queries, Expertise in searching and analyzing Splunk logs
* Orchestrated all data pipeline using Airflow to interacts with service like AWS Ec2 and AWS Fargate.
* Implemented Continuous Integration & Deployment pipelines for web applications using Jenkins Pipelines and GitHub integration plugins to automate deployments to staging environments before going live to customers.
* Implemented serverless application using AWS API gateway, Lambda and DynamoDB.
* Devops tools like CI, CD, Jenkins, Deploying in different platforms.
* Automated application deployments with Chef, improving speed and reliability of updates by 90%.
* Designed a data driven, Behaviour driven, TDD and Hybrid Automation frameworks using selenium web driver and performed unit testing using pytest.
* Working with large amount of data with using Big data tools like pyspark and Scala.
* Used pandas and NumPy for creating Data cleaning and data visualization.
* Writing a code in python using Boto3 module creating cloud formation template.
* Using Django, Angular JS and PostgreSQL for adding a customer visualization tool in their website and hosting in AWS.
* Worked with
* Migrated customer call data on perm to AWS(store in s3 bucket)
* Wrote a Glue Job to run lambda in regular time intervals.
* For code base we use Bitbucket.
* Developed various API’s for **Django** applications using **Django-tasty pie.**
* Used JIRA to build an environment for development.
* Worked on Jenkins for CI and CD(Devops Tools).

**Environment**: Python 3.4/2.7, PostgreSQL, Monkey Patching, Data Modelling, Boto3, DynamoDB, Glue Job, CloudFormation, S3, Fargate, Athena, VPC and Network Security, RDBMS, Lambda, Glue Job, Django.

**Sr. Data Engineer/Python Developer**

**Client: Tx.DOT (Department of transport) (Austin, TX) Jan2020 – Aug 2021**

**Responsibilities:**

* Gathering requirements and translating the Business details into technical design.
* Developed the tools using Iron Python and used PostgreSQL for databases.
* Participated in three stages of software development life cycle (SDLC) like design, development and testing.
* Experience in providing highly available and fault tolerant application using Apache Mesos on Google cloud platform.
* Helps transform internal teams through build and deployment automation.
* Contributes to the development of new engineering patterns with the DevOps architect, application development teams and systems engineering
* Helps develop automation to deploy instances quickly and rapidly from hardened images
* Making a conceptual data modelling with interacting with customers
* Employee data stored on perm and migrated to Aws cloud using ETL and Glue Job.
* Used Hadoop to compress large data sets.
* Supports application deployments, building new systems and upgrading and patching existing ones.
* For customer data, we are using pyspark for data cleansing and to integrate with different API.
* Developing an Agency View and Agency Entities in AASHTOWare project website depending upon the client requirements
* Participated in various meetings with the Customer’s and understanding the requirement and delivering the product.
* Writing a web application using Flask and API Gateway from AWS.
* Worked with React Js using components, Forms, Events, Keys.
* Implemented React Jscode to handle cross browser compatibility.
* Writing on save and on create code using Iron python in AASHTOWare project website.
* Going through Site Manager understanding the functionality and replicating same functionality in APCM (AASHTOWare project website).
* Analysing the VBA code functionality and replicating same functionality in APCM (AASHTOWare project website).
* Developed a Docker images for microservices to deploy in docker container. Also using ECS clusters for maintaining containers in AWS.
* Managed EKS cluster node of different instance which is used in ML jobs.
* Without stopping any services upgraded the EKS cluster from 1.18 to 1.21.
* Played a key role for developing the application and giving direction towards the project.
* Building 150 Agency views depending upon the requirement.

**Environment**: Python 3.4/2.7, Iron Python, React Js, VBA code, PostgreSQL, MongoDB, Data Modelling, AASHTOWare project, T-SQL, Flask .

**Sr. Python Developer**

**Client: Natixis Investment Management, Boston, MA Oct 2018 –Dec2019**

**Responsibilities:**

* Gathering requirements and translating the **Business details** into **Technical design**.
* Developed entire frontend and backend modules using **Python** on **Django Web Framework** by implementing MVC architecture.
* Developed the tools using **Python Django** and used **MongoDB** for databases.Parsers written in Python for extracting useful data from the design database. Used Parse kit (Enigma.io) framework for writing Parsers for ETL extraction.
* Participated in all the stages of software development life cycle (**SDLC**) like design, testing development and implementation.
* Conducted LTE and CDMA wireless testing of RF and protocols on mobile products.
* Execution of new feature, golden parameter script for **LTE**, **LTE-advance** and **CDMA** network elements.
* Research and build up knows and hands on experience in the latest **5G** core network, and system architecture standards and configurations.
* Extensively worked with **spark Data frames** for ingesting data from flat files into RDD's to transform unstructured data and structured data.
* Used AWS services like EC2 and S3 for small data sets.
* Used Aws services like Fargate and s3 for large data sets.
* 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.
* Setup Docker on Linux and configured Jenkins to run under Docker host.
* Developed various API’s for **Django** applications using **Django-tasty pie**.
* Used JIRA to build an environment for development.
* Analysed data by performing Hive queries and running Pig Scripts to study transactional behaviour of policies and plans.
* Developed Wrapper in Python for instantiating multi-threaded applications.
* 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.
* Front-end web development using HTML/CSS, JQuery, Bootstrap as well as back-end development using **SQL**.
* Also worked with Rube and Rails for the development of the internal application.
* Used Python based GUI components for the front-end functionality such as selection criteria. Administration of a dedicated collocated RHEL 4 machine and configured complex Apache configuration files.
* On demand, secure EMR launcher with custom spark submit steps using S3 Event, SNS, KMS and Lambda function.
* Experienced in building a Command line tool to interact with RESTful API.
* Familiar with **UNIX** / **Linux** internals, basic cryptography & security.
* Generated graphical reports using python package **NumPy** and **Matplotlib**.
* 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.
* Deployed and monitored scalable infrastructure on Amazon web services (**AWS**).
* Implemented monitoring and established best practices around using **Elasticsearch** and used Aws Lambda to run code without managing servers.
* Developed spark applications in python(PySpark) on a distributed environment to load huge numbers of CSV files with different schemas into Hive ORC tables.
* Analysed the sql scripts and designed it by using PySpark SQL for faster performance.
* Implemented responsive user interface and standards throughout the development and maintenance of the website using the **HTML**, **CSS**, **JavaScript**, **Bootstrap, jQuery**.
* Implemented task object to interface with data feed framework and invoke database message service setup and update functionality.
* Hands-on experience with Snowflake utilities, SnowSQL, SnowPipe, Big Data model techniques using Python.
* ETL pipelines in and out of data warehouse using combination of Python and Snowflakes SnowSQL Writing SQL queries against Snowflake.

**Environment:** Python 3.4/2.7, Django 1.7, CherryPy, HTML5, CSS, Bootstrap, JSON, JavaScript, AJAX, RESTful webservice, MongoDB, MySQL, jQuery SQLite, PySpark Elasticsearch, Docker, Windows 12 Server, AWS (EC2, S3, GlueJob,Lambda), PyUnit, Jenkins, Selenium Automation Testing, Ruby & Rails.

**Python Developer**

**Client: Jabil Inc, San Jose, CA Aug 2017 - Oct 2018**

**Responsibilities:**

* Involved in all the stages of the software development lifecycle like design, development, implementation and testing.
* Designed AMI images of EC2 Instances by employing AWS CLI and GUI.
* Used Django Framework in developing web applications to implement the model view control architecture.
* Developed views and templates with Python and Django view controllers and templating language to create a user-friendly website interface.
* Developed UI using CSS, HTML, JavaScript, jQuery, JSON and AJAX.
* Used MySQL as backend database and MySQL dB of python as database connector to interact with MySQL server.
* Deployed in Heroku in all the three environments.
* Build SQL queries for performing various CRUD operations like create, update, read and delete.
* Designed AMI images of EC2 Instances by employing AWS CLI and GUI.
* Python's Unit Test library was used for testing many programs on python and other codes.
* To build and populate DB and to ensure the standards, the team of QA also collaborated.
* Wrote Python scripts to parse JSON documents and load the data in the database.
* Used AJAX to update small portions of the web page instead of reloading the entire web page.
* Responsible for setting up the Python REST API framework using Django.
* Features for the dashboard were developed and tested using CSS, JavaScript, Django, and Bootstrap.
* Installation of MongoDB on physical machines, Virtual machines as well as AWS.
* Followed Agile methodology and involved in daily SCRUM meetings, sprint planning, showcases and retrospective and used JIRA as a tracking tool for the sprints.
* Used GIT for the version control.
* Involved in analysis and design of the application features.
* In depth exposure to creating API for internal and external applications using REST and SOAP based design.
* Responsible debugging and troubleshooting programming related issues.
* Ensured the best possible performance, quality, and responsiveness of the applications.
* Implementing multi-tier application provisioning in OpenStack cloud, integrating it with Ansible/Puppet.
* **Environment:** Python, Django, Flask, PHP, AWS, HTML, CSS, jQuery, AJAX, XHTML, AngularJS, JavaScript, XML, GitHub, Flash, MYSQL, PL/SQL.

**Role: Python Developer**

**Client: Western Digital, Irvine, CA Jan 2016 - Aug 2017**

**Responsibilities:**

* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle **(SDLC)** and used Agile methodology for developing applications.
* Designed and developed, **Use-Case** Class and Object Diagrams using **UML** Rational Rose for Object Oriented Analysis/Object Oriented Design techniques.
* Designed and developed data management system using **MySQL**. Built application logic using Python 2.6.
* Developed and tested many features for dashboard using **Python, Java, Bootstrap, CSS, JavaScript and jQuery**.
* Upgraded existing UI with **HTML, CSS, jQuery and Bootstrap**.
* Used **Django APIs** for database access.
* Solr Core on-demand autoloader – autoload and unload Solr cores based on demand
* Various enhancements to Solr (field level permissions, Span wildcard queries, multiple default fields, language specific tokenization, etc)
* Designed and developed communication between client and server using Secured Web services.
* **Issues** pertaining to Real time **d v4ata** being read from **RabbitMQ** into **Postgres** and **Cassandra**
* Designed and developed data management system using **MySQL**. Involved in Agile Methodologies and **SCRUM** Process.
* Participated in the complete **SDLC** process.
* Create and enhance existing automated solutions.
* Parse **JSON and XML** data using Python.
* Responsible for debugging and troubleshooting the web application.
* Experienced in writing **indexes, views, constraints, stored procedures, triggers**, cursors and user defined functions or subroutines in **MySQL**.
* Utilized Subversion control tool to coordinate teamwork.
* Used Selenium Libraries to write a fully functioning test automation process.

**Environment:** Python, HTML, CSS, Bootstrap, OOP, MYSQL, Java, JavaScript, jQuery, Rational Rose, Django, Xml, JSON, SDLC, Agile and SCRUM methodologies.

**Role: Python Developer**

**Client: Honeywell Bangalore, Karnataka, IN Nov 2013 - Dec 2015**

**Responsibilities:**

* Experience in designing and developing interactive User Interfaces, usability, web and client/server applications using HTML5, CSS3, Bootstrap, JavaScript and JQuery.
* Mainly used Python alongside using various libraries such as matplotlib for charts and graphs, MySQL dB for database connectivity, Python -twitter, PySide, Pickle, Pandas data frame, network.
* Developed an embedded software data driven test automation framework in Linux/Python. Designed test cases and authored test plans.
* Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash.
* Used Python with OpenStack, OpenERP (now ODOO), SQLAlchemy, DJango CMS etc.
* Provide team guidance from agile experience/learning and day-to-day support to the scrum team.
* Configured SiteMinder web agents, Affiliate agents and RADIUS agents to provide federation of web services in the SSO environment.
* Developed a website based on Django CMS.
* Developing dynamic web pages using HTML, CSS, Bootstrap, jQuery & D3JS.
* Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Created and populated digital brochures using PageTurnPro and built photo galleries on websites in the Django CMS and also using Django CMS plugin.
* Configuring SSO for different applications in different domains with Cookie Provider and troubleshooting issues related to them.
* Managing content population and deployments through Django CMS.
* Installing new WebAgents on Unix Apache servers and Windows IIS servers for implementing SSO for new applications.
* Experience using Content Management Systems: WordPress and Django CMS plugins.
* Utilized continuous integration and automated deployments with Jenkins, Ansible and Docker.
* Expertise in client scripting language and serve scripting languages like JavaScript, JQuery, JSON and Bootstrap.
* Used the Node.js, Angular.js MVC Frameworks in the development of the web applications. Unit testing with JavaScript and node.js.
* Consumed REST based Microservices with Rest template based on RESTful APIs and designed, developed and tested HTML, CSS, jQuery and React.js that meets accessibility and web browser standards for car dealerships websites.
* Extensive experience with Amazon Web Services (AWS), Openstack, Docker Puppet, Chef, Ansible, AWS CloudFormation, AWS CloudFront.
* Maintenance and development of a high-traffic and -demand site and platform running on a custom-rolled Django CMS.

**Environment:** Python, Ajax, HTML Restful API, MySQL, Django, JSON, Pandas, Shell Scripting, PL/SQL, SVN, Jenkins, Jira, UNIX, Linux

**Role: Sql Developer**

**Client:** **HCL, Pondicherry, India Sep 2012 - Nov 2013**

**Responsibilities:**

* Developed and deployed packages in **SSIS**, imported data on daily basis from the **OLTP** system, Staging area to Data Warehouse and **Data Marts**.
* Used various Transformations like Aggregator, Router, Expression, Source Qualifier, Filter, Lookup, Joiner, Sorter, XML Source qualifier, Stored Procedure and Update Strategy.
* Created AD-Hoc reports using Report Builder and maintained Report Manager for SSRS.
* Created a number of standard reports and complex reports to analyze data using Slice & Dice and Drill Down, Drill through using **SSRS**.
* Extracting, Transforming and Loading (ETL) data from **Flat File, Raw File, XML** and any **OLE DB** Data Source to Excel, Flat File, Raw File, any OLE DB or **MS SQL Server** Destinations by using **SSIS services**.
* Created stored procedures to build the Fact tables in the data mart for Multi-Dimensional analysis using **(SSAS)** and produced ad-hoc, standard and super user reports using **SSRS**.
* Migrated data from various sources including flat files, **MS Access**, to **MSSQL Server 2005** and vice-versa using **ETL**.
* Worked on installation, configuration, development, maintenance, administration and upgrade.
* Generated **Pie chart** and **Bar graphs** for the exported data to represent graphical analysis.
* Created Entity Relationship (**ER**) Diagrams to the proposed database.
* Imported Different Datasets from **MS ACCESS** to **SQL SERVER** for Analysis Process.
* Created and implemented Cubes and designed attribute relationships for optimal performance of Hierarchies and Fact Dimensions.
* Worked closely with .Net developer to create and to write Procedure using **T-SQL** and **PL/SQL**.
* Maintain referential integrity, Domain integrity and column integrity by using the available options such as constraints.

**Environment:** SQL server, Linux Environment, Ubuntu Operating System, SQL queries (Complex Joins, Sub Queries), SSIS, SSAS, SSRS, ER-diagrams, Dash Boards.