**Vijaya Saradhi Chintala**

**Sr. Python Developer**

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**Professional Summary:**

* Around **9+** years of professional experience in the Information Technology mainly worked on Banking, Telecommunications, Insurance domains, Restaurants and involved in software development life cycle processes including requirements gathering, analysis and design, development tools and technologies, release and version control.
* Working on Amazon Web Services, Python and the Django framework, and very good experience with cloud platforms like Amazon AWS and Google App Engine.
* Utilize REST and AWS (Amazon Web services) in Redshift, EMR for improved efficiency of Storage and Proficient in SQL databases MySQL, Oracle and NoSQL databases MongoDB, Cassandra, Oracle. Expertise in SQL stored queries.
* In Machine learning background and skills in data science, applied research and heavy - duty coding Working on with Python programming and Python libraries for data science included in the Anaconda distribution including NumPy, pandas. Python packages like, SciPy, tables etc.
* Utilize UNIX and Linux shell environments using command line utilities. run the operations of a Machine learning project and are responsible for managing the infrastructure and data pipelines needed to bring code to production
* Working on design and development of presentation layer for web applications using technologies like HTML, CSS, and JavaScript.
* Worked on AJAX framework to transform Datasets and Data migration Ables into HTTP- serializable JSON strings
* Develop project deployment using Google Cloud/Jenkins, Elastic Search and using web Services like Amazon Web Services (AWS).
* Generated Python Post Grew SQL Forms to record data of online users and used Python and Post Grew SQL creating graphics, XML processing, data exchange and business logic implementation.
* Experience with Django and Flask a high-level Python Web framework.
* Experienced with full Software Development Lifecycle (SDLC), architecting scalable platforms, Object Oriented Programming, Database Design and Agile Methodologies.
* Experience with Requests, Numpy, Scipy, Matplotlib, and Pandas python libraries during development lifecycle. maintain Restful API's and also consume the API's client side using Angular JS data binding.
* Experience in working extensively with ADO. NET objects such as Data Adapter, Dataset, and Data Reader to interact with databases like SQL Server 2008/2005/2000 & Oracle 11g/10g/9i/8i. Extensive Experience in Creation of Stored Procedure, Views, Triggers, Functions, T-SQL, PL/SQL, Indexes, Cursors, Performance Tuning, and SQL Profiler. Including writing of.

**Technical Skills:**

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| **Operating Systems** | UNIX, Linux, Windows, and Mac. |
| **Web technologies** | JSON, XML, HTML, CSS, Bootstrap, jQuery, XML, AJAX, JavaScript, JSP, Spring. |
| **Web Frameworks** | Django, Bottle, Flask, Spring MVC. |
| **Languages** | Python, R, J2EE, SQL, Shell Scripting, UML, Java. |
| **Database** | SQLite3, MYSQL, PostgreSQL, Oracle, MongoDB, Cassandra, Jenkins. |
| **Methodologies** | Agile, Waterfall. |
| **Configuration Management** | GitHub, SVN, CVS. |
| **Software Tools** | Microsoft Visual Studio, MS Visio, IBM Big Fix, Perforce, Code Collaborator, Tally, Finacle, Joomla, PeopleSoft. |
| **Application Servers** | Apache Tomcat servers, Coherence server, AWS. |

**Professional Experience:**

**Client: Labcorp, Atlanta, GA May 2020 - Present**

**Role: Sr. Full stack Python Developer**

**Responsibilities:**

* Developed entire frontend and backend modules using Python on Django Web Framework.
* Worked on designing, coding and developing the application in Python using Django MVC.
* Experience in working with Python ORM Libraries including Django ORM,
* Worked on integrating python with Web development tools and Web Services.
* Wrote and executed various MYSQL database queries from python using Python MySQL connector and MySQL dB package.
* Wrote scripts in Python for extracting data from HTML file.
* Utilize PyUnit, the Python Unit test framework, for all Python applications.
* 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.
* Rewrote existing Python/Django modules to deliver certain format of data.
* Wrote python scripts to parse XML documents and load the data in database.
* Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
* Worked on several python packages
* Used ECMAScript 6, ReactJS, Flux, Babel, Node and Web-Pack to create a SPA.
* Worked with various MVC Java frameworks like Angular.JS, EXT.JS, Backbone.JS, Node.JS, Ember.JS, bootstrap.JS, Require .JS, D3.JS, etc.
* Proficient in developing Web Services (SOAP, RESTful) in Python using XML, JSON.
* Stored the data in an Apache Cassandra Cluster Used Impala to query the Hadoop data stored in HDFS.
* Developed custom consumers and producers for Apache Kafka in Go (Golang) for cars monitoring system.
* Experience in implementing and working on the python code using shell scripting. Performed troubleshooting, fixed and deployed many Pythons bug fixes.
* Created real-time dashboard for Executives, utilizing Logstash, Elastic Search, Kibana & Redis.
* Created sites to organize client contracts and to summarize monthly financial data using Ember.js, D3.js and MySQL.
* Created the Application using React.JS and Node.js libraries NPM, gulp directories to generate desired view and flux to root the URLs properly.
* Used Scala scripts for spark machine learning libraries API execution for decision trees, ALS, logistic and linear regressions algorithms.
* Designed the real-time analytics and ingestion platform using Storm and Kafka. Wrote Storm topology to accept the events from Kafka producer and emit into Cassandra DB.
* Used Celery as task queue and RabbitMQ, Redis as messaging broker to execute asynchronous tasks
* Developed dynamic web pages using HTML5, CSS3, jQuery, d3.js, AngularJS, Bootstrap, JavaScript, and Eclipse as Text Editor
* Implemented Restful web service to interact with Redis Cache framework.
* Worked on developing Restful endpoints to cache application specific data in in-memory data clusters like REDIS and exposed them with Restful endpoints.
* Worked with NoSQL Databases like Apache Cassandra, Mongo DB.
* Building a Command line tool to interact with RESTful API using in Golang.
* Designed SPA (Single page applications) in Flux architecture using React.js.
* Implemented AWS solutions using DynamoDB, EBS, Elastic Load Balancer, Auto scaling groups.
* Wrote Scala and python scripts as required for spark engine.
* Implemented REST APIs using Python and Django framework.
* Developed a Spark job in Java which indexes data into Elasticsearch from external Hive tables which are in HDFS.
* Worked on developing CRUD applications using MERN stack (MongoDB, Express, ReactJS and NodeJS) and REST based API.
* Validated BI Support events, transformed and batched events which are sent to HNM and Kafka by triggering these events using Kafka, Mesos.
* Worked on WAMP (Windows, Apache, MYSQL, Python/PHP) and LAMP (Linux, Apache, MySQL, Python /PHP) Architecture.
* Developed views and templates with Python and Django's view controller and templating language to created user-friendly website interface.
* Developed front-end using Html, CSS, JavaScript, React, Redux, Bootstrap.
* Implemented mapStateToProps, mapDispatchToProps for the interactions between Redux and React.
* Design and develop new features in website using Java/J2EE under Santana Framework and enhance existing features. Refactoring code, redesign current design.
* Used Python to pull Docker images of analysis tools from Docker hub and containerizing those tools.
* Worked on the MySQL migration project to make the system completely independent of the database being used. Used Spring IBatis to implement this.
* Extensively worked on Application servers like WebLogic and Apache Tomcat.
* Installed and configured the development environment using Web-logic on Windows NT.

**Environment:** Python, Django, HTML, CSS, XML, Scala, JavaScript, redux, Angular.js, Docker, AJAX, Kubernetes, Redis, JSON, Dojo, Node.js, Backbone.js, Bootstrap, D3.js, flux, AWS, Elasticsearch, Kafka, Spark, Java, Oracle, Golang, Mesos, PL/SQL, Cassandra, MS-Sql, JDBC, Maven, Web Services, SOAP, REST, Ant, RAD, Agile, Scrum, CVS, Eclipse, Subversion (SVN), C++, Linux.

**Client: Prime Therapeutics, Eagan, MN Jan 2019– May 2020**

**Role: Sr. Python Developer**

**Responsibilities:**

* Developed web applications and RESTful web services and APIs using Python, Django, and PHP.
* Experience with Django, a high-level Python Web framework.
* Automated JIRA processes using Python and bash scripts.
* To fetch data of definite options that are selected, Python routines were written to log into websites.
* Automated AWS S3 data upload / download using Python scripts.
* Responsible for setting up Python REST API framework using DJANGO.
* Developed Merge jobs in Python to extract and load data into MySQL database.
* Created Python and Bash tools to increase efficiency of application system
* Developing Python Framework using Django to perform scan software unit monitoring.
* Design and development of user interfaces and client displays using Java Script, CSS and troubleshoot various issues in Python code and fix them with code enhancements- code used various python libraries such as Jython
* Constructed powerful and modern frontend architecture, involving React, Redux, and ES6.
* Worked in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Developed user interface by using the React JS, Flux for SPA development.
* Built various graphs for business decision making using Python matplotlib library.
* Extracted data from PostgreSQL, Cassandra, Redis, Influx dB and Elastic Search.
* Designed and built flexible, innovative web-based data visualizations, working with D3.js.
* Built data visualizations to monitor file server load, web server speeds, data processing and more using d3, backbone, jQuery, MySQL.
* Developed and tested many features for dashboard using Python, Bootstrap, CSS, and JavaScript
* Built various graphs for business decision making using Python library.
* Used Cassandra for database and Redis for cache, for storing and fetching the data.
* Used Redis Cache for high performance, which creates space for new data by removing old data.
* Developed Ruby on Rails web applications using MongoDB and back-ground processes using Resque and Redis.
* Utilized Python in the handling of all hits on Django, Redis, and other applications.
* Implemented business logic using Python/Django
* Loaded the log data and data from UI apps into Hadoop Lake using Apache Kafka service.
* Developed rating and sharing single page application by using Angular.JS, Bootstrap, Ember.js and React JS.
* Created responsive graphs using D3.js and CSS
* Involved in creating a reusable component using React JS and Redux JS for DOM Manipulation.
* Developed backup and recovery engine using VMware, Golang programming language
* Responsible for setting up Python REST API framework using Django.
* Worked with search business and search team to implement dynamic rule updates to search using Elasticsearch.

**Environment:** Python, Django, HTML, CSS, XML, Scala, React.JS, Kubernetes, redux, Mesos, Docker, JavaScript, Node.js, Redis, JSON, Cassandra, Angular.js, Backbone.js, Bootstrap, d3, Java, Elasticsearch, DB2, flux, Kafka, Spark, Golang, PL/SQL, JDBC, Oracle, MySQL, Apache CXF, SOAP, Web Services, REST, Eclipse, Git, Github, Junit, Agile, Scrum, C++, Maven.

**Client: Hertz, Estero, FL June 2017 – Dec 2018**

**Role: Python Developer**

**Responsibilities:**

* Managed datasets using data frames and MySQL, queried MYSQL database queries from python using Python-MySQL connector MySQL dB package to retrieve information.
* Development of real-time multi-tasking systems using Python.
* Created data access modules in python.
* Designed and developed components using Python with Django framework. Implemented code in python to retrieve and manipulate data.
* Worked on development of backend services using Python, SQL and Linux. Created many API's for Iscrum project which involves creating and maintaining projects in an organization. and developed UI using HTML, CSS and JavaScript.
* Developed backend services and created many API's using Python Programming Language and SQL.
* Involved in developing a video calling application using python web-sockets.
* Performed research regarding Python Programming and its uses and efficiency.
* Developed GUI screens for XTT & LD application using JSP, HTML and CSS.
* Development UI modules using HTML, JSP, JavaScript and CSS.
* Wrote JavaScript functions to get Dynamic data and Client-side validation.
* Used jQuery to make the frontend components interact with the JavaScript functions to add dynamism to the web pages at the client side.
* Implemented a Node.js server to manage authentication.
* Created Node.js middleware application server to encapsulate modern JS widget framework Worked with JSON objects and JavaScript and jQuery intensively to create interactive web pages.
* Implemented web based front-end using HTML, CSS, jQuery, and AngularJS
* Involved in developing the UI panels using JSF, XHTML, CSS, DOJO and jQuery.
* Set up the deployment environment on Web Logic Developed system preferences UI screens using JSP and HTML.
* Developed web Components using JSP, Servlets and Server-side components using EJB under J2EE Environment.
* Rich UI development experience and well versed in client-side technologies like AngularJS, jQuery, BackBone.js, Google Widget Toolkit, Sencha UI
* Worked in Java, J2EE, XSL, XML, Oracle, DB2, Struts, spring, Hibernate, REST Web services, Model driven architecture and software configuration management tools.
* Developed HTML, Swing and JSP pages for user interaction and data presentation.
* Created a Rich Single Page Application using HTML, CSS, Angular JS, jQuery and REST Services
* Designed and implemented UI layer using JSP, JavaScript, HTML, DHTML, JSON, XML, XHTML, XSL, XSLT, XSL-FO and business logic using Servlets, JSP, EJBs and J2EE framework.
* Used Backbone JS, Node.js, Bootstrap and other JavaScript libraries to create intuitive and rich Single Page Applications.
* Used jQuery JavaScript libraries for providing richer user interface and facilitates asynchronous request invocations using AJAX.
* Developed Dashboard to monitor and report Cache Coherence Servers.
* Integrate the ExtJs/Sencha framework with Oracle BPM.
* Prepared statements are used for communication Sql database
* Involved in developing custom taglibs, JSP, EJB's, Portlets and DB2 - stored procedures.
* Involved in Requirement analysis, design and Implementation applying the Waterfall model.
* Wrote Servlets programming and JSP scripting for the communication between web browser and server.
* Integrate the Oracle BPM with the Spring Framework in the enterprise layer.
* Involved in packaging, deployment, and upgrade of different modules of SAS on JBoss App Server. VB code Analysis and Sybase store procedure converted into SQL.

**Environment:** Python, Django, HTML, CSS, JavaScript, Ajax, JSON, jQuery, MySQL, TOAD, SQL, DB2, Apache Axis, WSDL, NetBeans, JBOSS, Mercurial, Coherence, ClearCase, Selenium, Waterfall Model, UML, JSP, Servlet, Ant, XML, Jira, Swing, Cognos.

**Client: Harman International, Novi, MI                                     July 2016 – May 2017**

**Role: Python Developer**

**Responsibilities:**

* Built a GC analytic tool using Python, to help clients analyse data and profile risk against a wide spectrum of reinsurance options.
* Developed custom reports using HTML, Python and MySQL.
* Developed monitoring and notification tools using Python.
* Documented the revised workflow using confluence wiki.
* Created Data tables utilizing PyQt to display customer and policy information and add, delete, update customer records.
* Used Python based GUI components for the front-end functionality such as selection criteria.
* Key performance index and filtering of displayed columns to help customers understand the analytics data that is provided by GC.
* Implemented navigation rules for the application and page outcomes, written controllers using annotations.
* Written queries in MySQL and Native SQL.
* Created PyUnit test cases for unit testing.
* Added the navigations and paginations and filtering columns and adding and removing the desired columns for view.
* Worked in an agile development environment.
* Used GitHub for version control.
* Used PyQuery for selecting particular DOM elements when parsing HTML.

**Environment:** Python, PyQT, PyQuery, PHP, MySQL, HTML, CSS, JavaScript, DOM, Ajax, agile, Web Services (SOAP), XML, PL/SQL, and Oracle SQL Developer.

**Client: Meta Minds, Hyderabad, India                                                June 2013 – Dec 2015**

**Role: Python Developer**

**Responsibilities:**

* Participated in the development of application architecture and blueprints to define application components.
* Designed and developed components using Python and Django framework.
* Used Python scripts for automation of production tasks.
* Implemented database access using Django ORM.
* Specification of platforms, interfaces and development tools.
* Generated property list for every application dynamically using Python.
* Rewrite existing Java application in Python module to deliver certain format of data.
* Designed statistical analysis tools using R for data analysis and visualization.
* Was responsible for analysing various cross-functional, multi-platform applications systems enforcing python, best practices and provide guidance in making long term, scalable architectural design decisions.
* Deployed Engineering bill of material (EBOM) on cloud-based platform (Heroku) and to automate calculation of items cost from different source of Oracle DB.
* Followed Waterfall methodology.

**Environment:** Python, XML, R, MYSQL, Apache, CSS, ORACLE, HTML, JavaScript, Shell Scripts, Linux, Heroku, Windows.

**Educational Qualification:**

* Bachelor of Electronics and Communications from Acharya Nagarjuna university, Andhra Pradesh, India. 2007.