**Rohith B.**

[rohitbolla123@gmail.com](mailto:rohitbolla123@gmail.com)

408-818-8736

**Summary:**

* Over 7 Years of combined work experience in Analysis, Design, Web Application Development, Management and Implementation of various stand alone, client-server enterprise applications.
* Extensive experience in Text Analytics, developing different Statistical Machine Learning, Data Mining solutions to various business problems and generating data visualizations using R, Python and Tableau.
* Experience in Server infrastructure development on Gateway, ELB, Auto Scaling, DynamoDB, Elasticsearch, Virtual Private Cloud (VPC), Kinesis, Cloud Watch, ECS.
* Good experience in Python, Django, Flask, Pyramid, Ansible, Docker, CI/CD
* Experience in implementing server side technologies with RESTful APIs and MVC/MVT design patterns using Django/Flask frameworks.
* Having experienced in Agile Methodologies, Scrum stories and sprints
* Experienced in developing web-based applications using Python, Django, AWS, WSGI, PostgreSQL, Redis, HTML, CSS, JavaScript, JQuery, and XML.
* Experience in version control systems using CVS, SVN and Git/GitHub and issue tracking tools like Jira and Bugzilla.
* Deep knowledge of computer applications and scripting like Shell, Python, Ruby, Perl, JavaScript and XML.
* Extensive experience in designing MongoDB multi-sharded cluster and monitoring with MMS.
* Experience in using Docker and Amazon web services (AWS) infrastructure with automation and configuration management tool such as Ansible.
* Experienced in MVW frameworks like Django, Angular.js, JavaScript, JQuery and Node.js.
* Experienced in Test Driven Development (TDD) and continuous integration to keep in line with Agile
* Experienced in WAMP (Windows, Apache, MYSQL, Python/PHP), and LAMP (Linux, Apache, MySQL, Python/PHP) Architecture.
* Hands-on experience in developing integration with Elastic search in any of the programming languages like JAVA and JavaScript. Having knowledge of advance reporting using Elastic search and Node JS.
* Expert knowledge and experience in Object oriented Design and Programming concepts.
* Proficient in SQL databases MySQL, PostgreSQL, Oracle and NoSQL databases MongoDB, Cassandra, HBase.
* Experience with Web Services(SOAP, REST). Effective in executing multiple tasks and assignments ahead of schedule.
* Hands on experience in SVN, Git, JIRA, Bugzilla, Amazon EC2/S3.
* Hands-on experience in UNIX, and Linux Kernels.
* Experience in design and manage API system deployment using fast http server and Amazon AWS architecture.
* Experience in Docker and Deep Learning.
* Experience with Configuring AWS EC2 instances, EMR cluster with S3buckets, Auto-Scaling groups and CloudWatch.
* Experience in Core Java, development by applying different concepts like OOPS concepts, Collections, Strings, Exception handling, Multithreading, etc. and experience in Groovy and JavaScript.
* Strong IT experience in BigData Hadoop stack, Teradata, SQL Server, Informatica, Unix, Java and Erwin
* Involved in entire life cycle of the projects including design, development, and deployment, testing, implementation and support.
* A Self-starter with a positive attitude, willingness to learn new concepts and acceptance of challenges.

**B.S in Computer Science**

**Work Experience**

**Sr. Python Developer**

**Cisco,**

**San Jose ,CA**

**January 2018 to Present**

**Responsibilities:**

* Responsible for using Django, a high level Python Web Framework to build powerful APIs and Web Applications for desktop and mobile users using Python, HTML5, CSS3, JavaScript, Git, Command Line, Redis and Graphic Design Software's
* Developed programs to automate the testing of RAID controller firmware and utilities using Python, Java, Bash script, Windows command line.
* Followed Agile Methodologies and SCRUM Process.
* Using Redis to store pieces of data in a much more structured, durable and robust manner.
* Used ETL/SSIS and T-SQL stored procedures to transfer data from OLTP databases to staging area and finally transfer into data marts and performed action in XML.
* Used OOD concepts in overall design and development of the system.
* Developed a portal to manage and entities in a content management system using Flask
* Wrote Unit test cases for unit, integration, and functional tests, run automatically by Hudson/Jenkins in the builds triggered by each push to Git
* Migrated the Django database from SQLite to MySQL to PostgreSQL with complete data integrity
* Responsible for turning raw data into presentable, flexible and responsive web applications
* Using mongo DB to take care of the back-end calls with a lightning fast speed
* Installed and benchmarked Hadoop/HBase clusters for internal use
* Used Pandas library for statistical Analysis
* Used Django Rest framework for creating REST APIs and interacted with Jira using Jira Rest API.
* Implemented Restful web service to interact with Redis Cache framework.
* Used Elastic Search for setting up the search cluster
* Working with GUI frameworks-PyJamas, Jytho, guidata, PyGUI, PyQt WebkitGtk, Elasticsearch, Logstash and Kibana (ELK).
* Built a RESTful API to save and retrieve geolocations using a remote server in Java using Spring, MongoDB, Apache CXF
* Configured and used ELK Stack for log management.
* Analyzed the sql scripts and designed it by using Spark SQL for faster performance.
* Created entire applications using Python, Django, MySQL and Linux
* Built docker containers to sandbox python WSGI Apps.
* Used Apache CouchDB (NoSQL) in AWS Linux instance in parallel to RDS MySQL to store and analyze job market info.
* Created UI using JavaScript, Perl and HTML5. Designed and developed data management system using MySQL.
* Creating restful web services for Catalog and Pricing with DjangoMVT, Jersey, MySQL, and MongoDB.
* Using Chef, deployed and configured Elasticsearch, Logstash and Kibana (ELK) for log analytics, full text search, application monitoring in integration with AWS Lambda and CloudWatch.
* Developed server based web traffic statistical analysis tool using Flask, Pandas. Deployed
* Django web application in Apache webserver and carpathia cloud web deployment. Held
* meetings with client and worked on the entire project with limited help from the client
* Exported/Imported data between different data sources using SQL Server Management Studio
* Worked on python scripts to parse XML documents and load the data in database

**Environment:** Python 2.7/3.0, Django, XML, Hadoop, AWS, ETL, HDFS, flask, HBase, mongo DB, Agile, SCRUM, PyUnit, Apache, CSS, MySQL, DHTML, HTML, JavaScript, AngularJS, Shell Scripts, Git, Linux, Unix and Windows, Spark, Pandas

**Python Developer**

**COX Communications**

**Atlanta, GA**

**November 2015 to December 2017**

**Responsibilities**

* Developed the presentation layer using HTML, CSS, JavaScript, JQuery and AJAX.
* Implemented SQL Alchemy which is a python library for complete access over SQL.
* Worked on Element Tree XML API in python to parse XML documents and load the data in database.
* Implemented data analysis with various analytical tools such as Python/SQL, Pandas, NumPy,
* Used UML Rational Rose to develop Use-case, Class and Object diagrams for OOA/OODtechniques.
* Developed views and templates with Python and Django's view controller and templating language to created user-friendly website interface.
* Used Redis Cache for high performance, which creates space for new data by removing old data.
* Implemented monitoring and established best practices around usage of Elastic Search.
* Implemented multi-site Enterprise SOA using Oracle SOA Suite and also worked in SOA architecture WebSphere Message broker for integration.
* Prepared test data files using Linux Shell scripts, Perl script as per the business requirements.
* Built up runtime environment (CUDA, caffee2) using Docker
* Used Django configuration to manage URLs and application parameters.
* Used  Docker to containerize everything for high flexibility, fast deployment and lower cost on migrating from old systems
* Created entire application using Python, Django, MySQL and Linux.
* Installed, configured, and managed the AWS server.
* Developed ETL logic as per Cisco standards from Source-Flat File, Flat-File-Stage, Stage-Work, Work-Work Interim tables and Work Interim tables- Target Tables using Bigdata.
* Fixing the issues from Source System to downstream data mart during the development process until the code goes live into production and providing post production support.   
  Technologies Used:
* Developed and implemented security based application architecture using Spring MVC pattern with Java, Groovy and Grails to avoid security breaches like SQL injection, cross-site scripting, LDAP injection etc.
* Used the Groovy language to verify Webservices through SOAP UI.
* ETL Bigdata, Hadoop, Pig, Hive, JUnit, Splunk, Google Cloud-Big Query, Cassandra, Oracle, Spark Scala
* Accessed database objects using Django Database APIs.
* Worked on python based test frameworks and test driven development (TDD) with automation tools.
* Responsible for debugging and troubleshooting the web application.
* Manage the configurations of multiple servers using Ansible.
* Used Ansible playbooks to setup Continuous Delivery pipeline. This primarily consists of a Jenkins and Sonar server, the infrastructure to run these packages and various supporting software components such as Maven, etc.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack Monitoring using Ansible playbooks and has integrated Ansible with Run deck and Jenkins.
* Implemented Ansible to manage all existing servers and automate the build/configuration of new servers.
* Migrated out core repository from SUBVERSION to GIT.
* Managed GitHub Projects and migrated from SVN to GitHub with history.

**Environment:** Python, Django, CSS, HTML, JavaScript, JQuery, AJAX, MYSQL, Linux, GIT.va, JQuery, MySQL, Linux, AWS,TDD, mongodb ,Groovy, Pandas, Cassandra, Hadoop, Eclipse, Perl, Matlab, Shell Scripting, Spark

**Python Developer**

**Westrock**

**Atlanta, GA**

**September 2014 to October 2015**

**Responsibilities:**

* Effectively followed Agile Software Development for developing the application
* Involved in preparing Technical requirements and Business requirement documents and translated business rules into business component modules.
* Designed User Interfaces using BackboneJS, ReactJS, JQuery, Bootstrap, JavaScript, CSS, XML and HTML.
* Automating Email Process, Downloading and uploading the files through Perl Scripting.
* Designed web screens for various modules using, HTML, DHTML and CSS and used JavaScript client side validation.
* Implemented Django MVC architectural design pattern.
* Used Backbone Js as the development framework to build the User Interface.
* Integrated multiple data sources and databases into one system
* Developed dynamic Django and flask web apps utilizing CSS, HTML5, Javascript and MySQL
* Python/Django based web application, PostgreSQL DB, and integrations with 3rd party email, messaging, storage services.
* Managed large datasets using Panda data frames and MySQL.
* Developed Pig functions to preprocess the data for analysis.
* Developed Spark scripts by using Python shell commands as per the requirement.
* Created a highly-scalable, distributed system for running Web applications and Web services by working with architects and developers and ensuring the implementation of Restful Web services and API design.
* Worked Integration of Amazon Web Services AWS with other applications infrastructure.
* Developed a fully automated continuous integration system using Django-Jenkins, MySQL and custom tools developed in Python and Bash
* Checked status of deployed applications & created weekly reports needed by different teams.

**Environment:** Python, Bootstrap, SOAP, REST, NodeJS, AWS, Django REST, MULESOFT, Flask, Django, JBoss, PyCharm, Oracle 10g/11g, XML, Java Script, CSS, HTML, GIT, pandas, Slack, Jenkins, Boilerplate, DORA (employer), Postgres, OSX, Agile, JIRA, Crucible, Atlassian, Any Point Studio, Spark

**Python Developer**

**Capital One**

**Dallas,TX**

**July 2013 to August 2014**

**Responsibilities:**

* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML, CSS, JavaScript and JQuery.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Managed datasets using Panda data frames and MySQL, queried MYSQL database queries from python using Python-MySQL
* Developed views and templates with Python OOD to create a user-friendly Website interface.
* Written transformations and actions on data frames, used Spark SQL on data frames to access hive tables into spark for faster processing of data.
* Used REST based microservices with REST template based on RESTful APIs and designed, developed the UI for the client.
* Developing server based web application to determine patient journey using Flask.
* Involved in preparing engineering specification with OOA and OOD.
* Refactor Python/Django modules to deliver certain format of data.
* Used Bootstrap front-end framework for faster and easier web development with MySQL.
* Built the web application by using Python, Django, AWS, J2EE, Postgre SQL, MySQL, Oracle 10g and MongoDB.
* Image manipulation backend services for real time use as RESTful API
* Automated the existing scripts for performance calculations using Numpy and SQL alchemy.
* Performed debugging and troubleshooting the web applications using Git as a version-controlling tool to collaborate and coordinate with the team members
* Development of Python APIs to dump the structures in the Processor at the failure point for debugging.
* Worked on Application servers like Weblogic and Apache Tomcat.
* Created a Single Page Application module using Angular JS to manage payee list for customers. Developed AngularJs controller's services, factories, and custom directives.

**Environment:-** Python, Django, XML,chef, Java, AWS, Kafka, Angularjs, CSS,PostgreSQL, MySQL, JSON, DHTML, HTML, JavaScript, Shell Scripts, Spark agile, Microservices, Restfull , UNIX and Windows.

**Python Developer**

**Netlink,**

**India**

**June 2012 to August 2013**

**Responsibilities:**

* Involved in building database Model, APIs and Views utilizing Python, in order to build an interactive web based solution.
* Designed and developed the UI of the website using HTML, XHTML, JavaScript.
* Developed entire frontend and backend modules using Python on Flask Web Framework.
* Designed and developed data management system using MySQL.
* Rewrite existing Java application in Python module to deliver certain format of data.
* Developed the required XML Schema documents and implemented the framework for parsing XML documents.
* Used JQuery for selecting particular DOM elements when parsing HTML.
* Worked with JSON based REST Web services.
* Using Subversion version control tool to coordinate team-development.
* Developed SQL Queries, Stored Procedures, and Triggers Using Oracle, SQL, PL/SQL.
* Responsible for debugging and troubleshooting the web application.

**Environment:** Python, Django, PYQT, XML, JSON, HTML, XHTML, JSON, Rest, PHP, SVN, MY SQL, Windows and LINUX.