Manasa Gade
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PROFESSIONAL SUMMARY:

- 7+ Years of combined work experience in Analysis, Design, Big Data, 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.
- Hands on experience in using Hadoop ecosystem components like MapReduce, HDFS, HBase, Hive, Pig, Flume and Spark.
- Experience in working with GitLab version control system
- Good experience in Python, Django, Hadoop, 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.
- Experienced of software development in Python (libraries used: libraries- Beautiful Soup, numpy, scipy, matplotlib, python-twitter, Pandas data frame, network, urllib2, MySQL dB for database connectivity) and IDEs - sublime text, Spyder, pycharm, emacs.
- 3+ years of experience on various devOps tools like Ansible , Kubernetes, Puppet, Chef ,Jenkins , Docker , SVN and GIT.
- 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 WAMP (Windows, Apache, MYSQL, Python/PHP), and LAMP (Linux, Apache, MySQL, Python/PHP) Architecture.
- In-Depth understanding of Spark Architecture including Spark Core, Spark SQL, Data Frames, Spark Streaming with PySpark and PANDA library.
- 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.
- Well versed in writing test cases using Nose, unit test and Robot test frameworks
- Excellent experience with Python development under Linux/Unix OS (Debian, Ubuntu, SUSE Linux, Red Hat Linux, Fedora) and Windows OS.
- Migrating the coding from hive to Oracle using Python SPARK SQL (PySpark), Data Frames and RDD. Experience data processing like collecting, aggregating, moving from various sources using Spark (PySpark) and Panda libraries. Experience in NoSQL column-oriented database and its integration with Hadoop Cluster.
- Hands on SVN, Git, JIRA, Bugzilla, Amazon EC2/S3.
- Hands-on experience in UNIX, and Linux Kernels.
- Expertise in back-end procedure development, for RDBMS, Database Applications using SQL and PL/SQL. Hands on experience on writing Queries, Stored procedures, Functions and Triggers by using SQL.
- Experience in design and manage API system deployment using fast http server and Amazon AWS architecture.
- Experience in the field of Data warehouse using ETL tools such as Informatica Power Center, Power Mart 9x/8x databases as DB2, Oracle, MS SQL Server and Teradata.
- Capable of processing large sets of structured, semi-structured and unstructured data and supporting systems application architecture
- Experience in leading multiple efforts to build Hadoop platforms, maximizing business value by combining data science with big data.
- Experience with Configuring AWSEC2instances, EMR cluster with S3buckets, Auto-Scaling groups and Cloud Watch.

- Experienced in developing Object Relation Mappings using Hibernate, JDBC, Spring JDBC and Spring Data with RDMS (Oracle, DB2, and MySQL) and NoSQL (MongoDB, Cassandra) databases.
- 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.
- Good Experience with Network Communication Protocols and High-scalability Architecture

EDUCATIONAL QUALIFICATIONS:
Bachelor of Technology in Computer Science from Kakatiya University, India.

TECHNICAL SKILLS:

Python Libraries	Report Lab, NumPy, SciPy, Matplotlib, HTTPLib2, Urllib2, Beautiful Soup, Pickle, Pandas, PyPI, PySpark, Pygit.
Programming Skills	Python, C, C++ and Java, Shell Script, & Perl.
Web Technologies	Django, HTML5, CSS3, JavaScript, JSON, jQuery, AJAX, Node JS, and Bootstrap.
Frameworks	Django, spring, Angular JS and Flask.
IDE's	PyCharm, Sublime, Eclipse, Spyder and NetBeans, Atom, Sublime Text, Visual Studio.
Database	Oracle SQL, SQLite, MySQL, PL/SQL, PostgreSQL.
Operating Systems	LINUX, UNIX, WINDOWS & MAC.
Cloud Technology	AWS.
Web Services	Nginx, Apache Tomcat, SOAP, Apache Kafka, AWS, Amazon EC2, REST.
Network Protocols	TCP/IP, HTTP, DHCP, SNMP, SMPT.
Servers	Apache Tomcat and Web Logic.
Version Control Tools	CVS, Git, GitLab , GitHub and SVN.
Development Process	Waterfall, Agile and Scrum.
Bug Tracking Tool	JIRA.
Deployment Tool	Heroku and Jenkins.
Build Tools	MAVEN , ANT , MS Build and cruise control.
Continuous deployment tools	Puppet , Chef , Ansible
Others	Snowflake

PROFESSIONAL EXPERIENCE:

Viasat Inc, CA   **Jan'22 – Till Date**
Sr. Python Developer

Responsibilities:
- Participated in all phases of the System Development Life Cycle Analysis (SDLC) and responsible for gathering requirements, system analysis, design, development, testing and deployment.
- Worked very closely with designer, tightly integrating Flash into the CMS with the use of Flashovers stored in the Django models. Also created XML with Django to be used by the Flash.
- Developed multi-threaded standalone app in Python, PHP, C++ to view Circuit parameters and performance.
- Used Python based GUI parts for the front-end usefulness, for example, determination criteria, made test saddle to empower exhaustive testing using Python.
- Used Amazon Web Services (AWS) for enhanced productivity of capacity and quick access.
- Designed and managed API system deployment using fast http server and Amazon AWS architecture.
- Developed tools using Python, Shell scripting, XML to automate some of the menial tasks.
- Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.
- Developed internal auxiliary web apps using Python Flask framework with Angular.js and Twitter Bootstrap CSS / HTML framework.
- Imported required tables from RDBMS to HDFS using Sqoop and used PySpark RDDs to get real time streaming of

data into HBase.
- Worked on statistical analysis by processing of collected data and Data Visualization using Python Pandas, Matplotlib, Scipy and Numpy packages.
- Also used jQuery as library to create a Single Page Application (Phases) which can bind data to specific views and synchronize data with server and Worked with JQX widgets functionality.
- Used several python libraries like Python, Numpy and Matplotlib.
-. Worked with PostgreSQL for storing the data and handling the data.
- 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.
- Used Django configuration to manage URLs and application parameters.
- Created PyUnit test scripts and used for unit testing.
- Developed Merge jobs in Python to extract and load data into MySQL database.
- Used Couchbase Python SDK to build applications that use Couchbase Server.
- Stored the data in the form of JSON structure-based documents, stored in a collection using MongoDB. Worked on creating the Docker containers and Docker consoles for managing the application life cycle.
- Setup Docker on Linux and configured Jenkins to run under Docker host.
- Used advanced packages like Mock, patch and Beautiful soup (b4) in extracting the Data during development phase and perform unit testing.
- Development of Python APIs to dump the array structures in the Processor at the failure point for debugging.
- 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.
- 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.
- Collaborated within a team using an agile development workflow and widely-accepted collaboration practices using Git.
- Developed a fully automated continuous integration system using Git, Jenkins, MySQL and custom tools developed in Python and Bash.
- Implemented Multithreading module and complex networking operations like race route, SMTP mail server and web server Using Python.
- Used automation Jenkins for continuous integration on Amazon EC2.
- Used JIRA for Bug tracking and issue tracking.
- Worked as part of an Agile/Scrum based development team and exposed to TDD approach in developing applications.

Environment: Python 3.4/2.7, Django 1.7, CherryPy, HTML5, CSS, Bootstrap, JSON, JavaScript, AJAX, RESTful, webservice, MongoDB, MySQL, SQLite, Cassandra, Docker, AWS (EC2, S3), PyUnit, Karma, Jenkins, Selenium Automation Testing.

AAA , FL	**Feb'19 – Dec'21**
Python Developer	

Responsibilities:
- Created Business Logic using Python to create Planning and Tracking functions.
- Involved in building database Model, APIs and Views using Python, so as to manufacture an intuitive electronic arrangement.
- Implemented Spark using PySpark libraries for faster testing and processing of data.
- Analyzed the SQL scripts and designed solutions to implement using PySpark.
- Worked on messaging solutions like ActiveMQ and worked on unit test plans (UTP), integrated test plans (ITP) and user acceptance testing (UAT) and involved in development of main modules like CSV import, xlsx import, bulk content upload.
- Used jQuery and Ajax calls for transmitting JSON data objects between frontend and controllers.
- Used PySpark-SQL to load JSON data and create schema RDD, Data Frames and loaded it into Hive Tables and handled structured data using Spark-SQL.
- Used Python based GUI segments for the front-end usefulness, for example, choice criteria, Created test outfit to empower exhaustive testing using Python.

- • Worked with JSON based REST Web services.
- • Utilized PyQt to provide GUI for the user to create, modify and view reports based on client data.
- • Implemented Garbage collection with CPython to enhance the performance, by garbage collecting the older generated objects.
- • Automated RabbitMQ cluster installations and configuration using Python/Bash.
- • Experience with Data migration from Sqlite3 to Apache Cassandra database. Cassandra data model designing, implementation, maintaining and monitoring using DSE, DevCentre, Datastax Ops center.
- • Written test cases using PyUnit and Selenium Automation testing for better manipulation of test scripts.

Environment: Python 3.4/2.7, Django 1.7, CherryPy, HTML5, CSS, Bootstrap, JSON, JavaScript, AJAX, RESTful, webservice, MongoDB, MySQL, SQLite, Docker, AWS (EC2, S3), PyUnit.

Clever devices, India	Jun'14 – Nov'18
Jr. Python Developer	

Responsibilities:
- Used Python, Django and Zope frameworks to develop applications.
- Implemented business logic using Python 2.7.
- Used HTML, CSS, JavaScript and JQuery and Implemented AJAX for dynamic functionality of a webpages for front end applications.
- Worked on front end frame works like Bootstrap for responsive webpages.
- Managed large datasets using Pandas data frames and MySQL.
- Developed and executed various MySQL database queries from python using Python-MySQL connector and MySQL database package.
- Implemented SQL Alchemy which is a python library for complete access over SQL.
- Designed object model, data model, tables, constraints, necessary stored procedures, functions, triggers, and packages for Oracle Database.
- Fetched twitter feeds for certain important keywords using python-twitter library.
- Used Python library Beautiful Soup for web scrapping.
- Worked on Python OpenStack APIs and used Numpy for Numerical analysis.
- Used AJAX and JQuery for transmitting JSON data objects between frontend and controllers.
- Designed and managed API system deployment using fast http server and Amazon AWS architecture.
- Implemented monitoring and established best practices around using elastic search.
- Install and configuring monitoring scripts for AWS EC2 instances.
- Worked with the design team for project structure.
- Created a Git repository and added the project to GitHub.
- Wrote Python scripts to parse XML and JSON documents and load the data in database.
- All projects adhered to agile principles to deliver commitments, meet acceptance criteria and ensure fast releases.
- Handled all the client side validation using JavaScript.

Environment: Linux and Windows, Python/Django, Python/Zope, HTML, JavaScript, CSS, JQuery, AJAX and BOOTSTRAP, REST, AWS, MySQL, Elastic Search, MS SQL, Apache, Ubuntu, Windows 12, Amazon S3.