KHASIM SAHEB

+1 (302) 316-5739

Python Developer

[shaikkm1004@gmail.com](mailto:shaikkm1004@gmail.com)

St, Vancouver, WA 98660

**SUMMARY**

* Over 8+ years of experience as a Design, Implementation, Development, machine learning, Management and Analysis of various stand-alone, client-server enterprise applications.
* Experienced in working with server side technologies including databases, restful API and MVC design patterns.
* Special skills in development of effective, user-friendly web applications. Experienced in requirement gathering, Use case development, Business Process flow, Business Process Modelling: extensively used UML to develop various use cases, class diagrams and sequence diagrams.
* Wrote python scripts to parse XML documents and load the data in database and developed web-based applications using Python, CSS and HTML.
* Experience in using various version control systems like CVS, Git, GitHub and Amazon EC2 and deployment using Heroku.
* Experienced in developing REST web services and Go based Rest clients for consuming the rest services in GO Lang.
* Experienced with Go Lang drivers to perform operations such as CRUD operation and writing complex quires with SQL Servers.
* The methodology used here will be to introduce in a simple and abbreviated manner the components of the Jython language most likely to be used in wsadmin scripts.
* Experience in using Jenkins/Hudson as a Continuous Integration server to configure with Ant/Maven
* Good knowledge of web services with protocols SOAP, REST.
* Good idea about testing tools like Bugzilla and JIRA.
* Good experience in developing web applications implementing Model View Control architecture using Django, Flask, Pyramid and Zope Python web application frameworks.
* Worked on applications and developed them with XML, JSON, XSL (PHP, Django, Python, Rails).
* Experienced in developing Web Services with Python programming language.
* Having experienced in Agile Methodologies, Scrum stories and sprints experience in a Python based environment, along with data analytics, data wrangling and Excel data extracts.
* Superior Troubleshooting and Technical support abilities with Migrations, Network connectivity and Security and Database applications.
* Skilled experience in Python with proven expertise in using new tools and technical developments (libraries used: libraries- Beautiful Soup, Jasy, numpy, Scipy, matplotlib, Pickle, PySide, python-twitter, Pandas data frame, networks, urllib2, My SQL dB for database connectivity) to drive .com
* 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 designing, developing, testing and implementing of various stand-alone and client-server architecture based enterprise application software in Python on different domains.
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL database.
* Cleaned data and processed third party spending data into maneuverable deliverables within specific formats with Excel macros and python libraries.
* Experienced in developing web-based applications using Python, Django, PHP, C++, XML, CSS, HTML, DHTML, JavaScript and Jquery.
* Experienced in working with various Python IDE's using PyCharm, PyScripter, Spyder, PyStudio and PyDev.
* Troubleshoot client/server application issues.
* Knowledge about setting up Python REST API Frame work using Django.
* Experienced with Amazon SQS, and Amazon Web Services like EC2, Redshift, Lambda and S3.
* In-depth knowledge of deploying and troubleshooting IP protocols.
* Good knowledge in working with application server- Apache Tomcat (6.0, 7.0, 8.0).
* Shares expertise throughout the organization and may provide user training for products
* Evaluates engineering approaches and risks to produce development plans that ensure high quality, low cost products and systems
* Experience in working with Python ORM Libraries including Django ORM.
* Expertise in working with GUI frameworks - PyJamas, Jytho
* Day-to-day server support for clients from our office in Midtown Manhattan.
* Developed and executed White box test cases of the Java API using Test NG framework & Eclipse.
* Extended Testing framework by adding some helper classes and methods.
* Proficient in writing SQL Queries, Stored procedures, functions, packages, tables, views, triggers using relational databases like Oracle, DB2 and MySQL.
* Having good knowledge in using NoSQL databases like Apache Cassandra (1.2, 2.0 and 2.1) and Mongo DB (2.6, 2.4), Orient DB.
* Ensure data integrity and data security on AWS technology by implementing AWS best practices.
* Extensive experience with Amazon Web Services (AWS), OpenStack, Docker Puppet, Chef, Ansible, AWS CloudFormation, AWS CloudFront.
* Sound experience in Core Java and Object Oriented Programming using concepts like Multi-Threading, Exception Handling and Collections.
* Experience in project deployment using Heroku/Jenkins and using web services like Amazon Web Services (AWS) EC2, AWS S3, Lambda, RDS (MySQL).
* Write, maintain and improve automation scripts in Perl, BASH, PHP & Python.
* Integrating AWS infrastructure with Cloud Computing Product - CloudHealth.
* Experienced in working with various Python Integrated Development Environments like Net Beans, PyCharm, PyScripter, Spyder, PyStudio, PyDev and Sublime Text.
* Strong expertise in development of web based applications using Python, Django, HTML, XML, Angular JS, CSS, DHTML, JavaScript, JSON and JQuery.

**TECHNICAL SKILLS**

* Frameworks Django, Zope, PyJamas, python, CSS Bootstrap , aws.
* Web Technologies HTML, CSS, DOM, SAX, Java Script, JQuery, AJAX, XML, AngularJS.
* Programming Languages Python, C, PERL, SQL and PL/SQL.
* J2EE Technologies JSP, Java Servlets, JNDI, JDBC and JMS.
* Version Control SVN, CVS, Git, GitHub.
* Deployment Tools Heroku, Amazon EC2
* Analytic Tools JMP PRO, SAS, Tableau, UCI NET, Node XL
* Application servers Apache Tomcat, JBoss
* Databases Oracle (9i,10g, 11g), My SQL, Apache Cassandra, Mongo DB
* IDE's/ Development Tools Net Beans, Eclipse, PyCharm, PyScripter, PyStudio and Sublime Text.
* Operating Systems Windows, Red hat Linux 4.x/5.x/6.x, Ubuntu.
* Protocols TCP/IP, HTTP/HTTPS, SOAP, SMTP
* Testing Tools Bugzilla, JIRA, and Redmine.

**WORK EXPERIENCE**

**Python Developer**

Apple Inc. – St, Vancouver, WA

May 2017 to Present

**Responsibilities:**

* Developed Python based API (RESTful Web Service) to track the events and perform analysis using Django.
* Involved in development using Python, bug fixing and unit testing of the layout commands.
* Participated in developing the company's internal framework on Python. This framework became a basement for the quick service's development. Framework based on CherryPy with GnuPg encryption (reGnuPg module) on the top.
* Worked on HTML5, CSS3, JavaScript, AngularJS, Node.JS, Git, REST API, Mongo DB, intelliJ IDEA.
* Using Redmine as the project management tool for easy collaboration with the developer. WinCvs was used as the integration tool.Participated in the complete SDLC process.
* Next Medium Embed Platform is a Monetization Advertisement Placement Platform.
* Developed a MATLAB algorithm which determines an object's dimensions from digital images.
* Web-services backend development using Python (CherryPy, Django, SQL Alchemy).
* Responsible forarchitectureand development of the official Go Telestream Cloud.
* Microservices inSessionM (Go) re-implemented some of the Ruby on Rails API endpoints on the Go side to handle.
* Developed a microservice that extracts data from PostgreSQL and generates a flat file and sends to AWS S3 using GO (Go Lang)
* Performed GO Lang unit testing and benchmarking for microservices and worked on integration of PostgreSQL database.
* All these batch microservices are written utilizing distributed message passing via Kafka message broker with JSON and CSV as data exchange formats.
* Involved in successful migration of C based architecture to GO (Go Lang), worked in distributed systems and server sided software.
* Developed Microservices to utilize Go language, REST web services in the client's environment.
* Wrote Python routines to log into the websites and fetch data for selected options.
* Extracting data from the database using SAS/Access, SAS SQL procedures and create SAS data sets.
* Developed approaches for improving NLP pipeline.
* Involved in all the phases of Software Development Life Cycle (SDLC) using Project management tools Redmine.
* Knowledge of Bug tracking systems, implementation and improving QA workflows on Redmine.
* Created a Python based GUI application For Freight Tracking and processing
* Used Django framework for application development.
* Developed AWS CodeBuild/CodePieline/Lambda for CI/CD
* Used Python modules such as requests, urllib, and urllib2 for web crawling.
* Worked on writing and as well as read data from csv and excel file formats.
* Created database using MySQL, wrote several queries to extract data from database.
* Setup automated cron jobs to upload data into database, generate graphs, bar charts, and upload these charts to wiki and backup the database.
* Involved in transformations using various Spark Actions and Transformations by Creating RDD's from the required files in HDFS.
* Designed an 8-bit adder individually from schematic to layout using Cadence 6 to match final product EDP lower than 100ps\*pJ and optimized layout area.
* Design and Setting up of environment of Mongo dB with shards and replica sets. (Dev/Test and Production).
* Private VPN using Ubuntu, Python, Django, CherryPy, Postgres, Redis, Bootstrap, Jquery, Mongo, Fabric, Git, Tenjin, Selenium, Sphinx, and Nose.
* Designed, developed, coded and worked in penetration testing in customized DOL-AWS GovCloud Node.js Security Monitoring of VPC Zones using AWS – Lambda to load customized Spark-Scala GraphX Application.
* ETL Pipeline (Session M, Go): main designer and developer of highly scallable ETL service system was designed to handle a generic importer implementation.
* Dealt with development of parsers for handling JSON, XML responses and JAXB binding and worked with JMS (java messaging service) for asynchronous communication.
* Created a Python/Django based web application using Python scripting for data processing, MySQL for the database, and HTML/CSS/jQuery and HighCharts for data visualization of the served pages.
* Developing PHP, HTML, CSS, JavaScript, JQuery and AngularJS ecommerce application pages according to project requirements. Create custom Drupal modules using PHP, MySQL and JavaScript and configure required contributed Modules. Worked on HTML, HTML5, JavaScript, CSS and their integration within a PHP environment.
* Implementing multi-tier application provisioning in OpenStack cloud, integrating it with Ansible/Puppet.
* Involved in designing and deploying multitude applications utilizing most of the AWS stack (Including EC2, Route53, S3, RDS, IAM) focusing on high-availability, fault tolerance, and auto-scaling in AWS CloudFormation
* Configured AWS IAM and Security Group in Public and Private Subnets in VPC.
* Created AWS Route53 to route traffic between different regions.
* Managed IT vendor Statements of Work (SOW) using applied processes (SDF, EDP, ITIL, Agile, CMM and CMMI).
* Handle escalated Support tickets till closure for MS Azure PaaS platform.
* Utilized continuous integration and automated deployments with Jenkins, Ansible and Docker.
* Web application development using Python 3.2/2.7, Django 1.9, Flask, MongoDB, JavaScript, AJAX, HTML, XML and template languages.
* Extensively used Python / Django / Flask Framework for developing backend of applications.
* Modifying data using SAS/BASE, SAS/ MACROS.
* Big data processing using Spark, AWS, and Redshift
* Design front end using UI, HTML, Bootstrap, Node JS, underscore JS, Angular JS, CSS, and JavaScript.
* Implemented dynamic page elements and form error validations using AngularJS.
* Developed management modules and applications using Laravel frame work and Object Oriented PHP and custom MVC.
* Helped bring a port of the Progress DB Product suite to beta release on LINUX and debugged database internals issues on NT.
* Developed and maintained various automated web tools for reducing manual effort and increasing efficiency of the Global Shipping Team.
* Developed, debugged, and maintained a large-scale distributed platform.
* Wrote scripts in Python for extracting data from HTML file.
* Environment: Python 2.7, Django 1.4, My SQL, Windows,Lambda, Linux, Aws, HTML, CSS, J Query, JavaScript, Apache, Linux, Redshift, Quality Center.

**Python Developer**

Walmart - San Bruno, CA

June 2016 to April 2017

**Responsibilities:**

* 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.
* Developed Automation scripts for new enhancements using Selenium WebDriver and JUnit.
* Parsed various file formats including XML and JSON and loaded into MSSQL Server database with Python XML and JSON modules
* Designed test cases and test plans, and developed an embedded software data driven test automation framework in Linux/Python.
* Developed an autonomous continuous integration system by using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash.
* Developed web components by using JSP, Servlet under J2EE Environment and implemented security features for the APIs.
* Built a phone-call attribution SaaS platform in Golang, ported from Ruby on Rails .
* Designed complex application database SQL statements for querying, updating and reporting using GO Database Connector.
* Performed GO Lang unit testing and benchmarking for microservices and worked on integration of PostgreSQL database.
* Developed a microservice that extracts data from PostgreSQL and generates a flat file and sends to AWS S3 using GO
* Designed and Build new backend services using Go Lang(GO) to meet goals, enhanced and maintain existing backend services.
* Worked on migrating MapReduce programs into Spark transformations using Spark and Scala, initially done using python (PySpark).
* Responsible for Design and maintenance of databases using Python. Developed Python based APIs (RESTful Web services) by using Flask, SQL Alchemy and PostgreSQL.
* Worked with various python libraries such as Pandas and matPlotLib for analysis and manipulation of data.
* Developed Behave framework scenarios backed up with the Python code.
* Validated the quality of the partner files that Kabbage delivers to partner financial institutions.
* Behave Framework and native Python programming was used in developing the application.
* Modified PHP5, HTML, CSS, Java script, jQuery according to project requirements.
* Involved in Validation and Integration Testing of the Partner files.
* Developed and tested various dashboard features using CSS, JavaScript, Django, and Bootstrap.
* Developed U-SQL Scripts for schematizing the data in Azure Data Lake Analytics.
* Extracted, loaded, and analyzed data to and from MSSQL Server database with Python.
* Implemented RESTful web services for sending and receiving the data between multiple systems.
* Created automation framework and test scripts using Selenium Web-Driver for multiple platforms and browsers testing.
* Designed and developed an ActiveX component for HDTV Hauppauge WinTV to embed the terminal system using DirectShow (DirectX)/ATL (VC++) integrating to the web based application.
* Worked with different Python libraries like Pandas, Numpy, PyHamcrest, pymssql, pypyodbc etc.
* Developed the UI of the application using Django and implemented MVT framework.
* Created DEV, QA, PROD, DEMO Environments in AWS from scratch.
* Participated in all the stages of software development lifecycle including design, development, implementation, and testing.
* Provisioned load balancer, auto-scaling group and launch configuration for micro service using Ansible.
* Worked on with spark dataframe operations that are required to develop a data format file.
* Worked on projects related to the client Santander UK, ING Italy and ING France.
* Used all aspects of MySQL/PHP Programming, Zend 1.9 Framework in LAMP environment.
* Worked on developing UI using CSS, HTML, JavaScript, JQuery and JSON.
* Good working experience in Azure Logic apps, Service Bus, Document DB and SQL Database.
* Developed GUI using PHP5, HTML5, AJAX, CSS3 and JavaScript (JQuery2)
* Design front end using UI, HTML, Bootstrap, Node JS, underscore JS, Angular JS, CSS, and JavaScript.
* Implemented dynamic page elements and form error validations using AngularJS.
* Experience in writing playbooks for Ansible and deploying applications using Ansible.
* Created dataframes in particular schema from raw data stored at Amazon S3, lambda using PySpark.
* Manage the configurations of multiple servers using Ansible.
* Deployed mircoservices2, including provisioning AWS environments using Ansible Playbooks.
* Environment: Python 3.6, Behave, Django, Java Script, Aws HTML, XHTML, lambda, JQuery, JSON, XML, CSS, MSSQL Server.

**Python Developer**

Optimizely - San Francisco, CA

October 2015 to May 2016

**Responsibilities:**

* Worked on Python Open stack API's, used Python scripts to update content in the database and manipulate files
* Experience in Amazon Web Services (AWS) Cloud services such as EC2, EBS, S3, VPC, Cloud Watch, Elastic Load Balancer.
* Improving the performance while processing data by modifying functions, queries, cursors, triggers and stored procedures for MySQL database.
* 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.
* Participate in requirement gathering and analysis phase of the project in documenting the business requirements by conducting workshops/meetings with various business users
* Strong knowledge of all phases of SDLC and Strong working knowledge of Software testing (Functional Testing, Regression Testing, Load Testing).
* Developed Python Django forms to record data and the Login module page for users.
* Designed email marketing campaigns and created interactive forms that saved data into database using Django Framework.
* Develop and execute automation frame work and maintain automates tests for new and existing functionality.
* Designed and configured database and back end applications and programs.
* Integrated Automation scripts (Selenium WebDriver API) in Continuous Integration tools (Jenkins) for nightly batch run of the Script.
* Code review using GitHub, testing, fixing of the bugs and coding modifications.
* Worked on Unit testing, Integration testing and Web application testing.
* Enhanced existing automated solutions, such as the Inquiry Tool for automated Asset Department reporting and added new features and fixed bugs.
* Developed API modularizing existing python module with the help of pyYAML libraries.
* Improved performance by using more modularized approach and using more in built methods.
* Collaborated with internal teams to convert end user feedback into meaningful and improved solutions.
* Wrote Python routines to log into the websites and fetch data for selected options.
* Implemented a login module for user, registration of the products, placing the order and tracking the order.
* Worked with team of developers on Python applications for RISK management
* Developed Python application for Google Analytics aggregation and reporting
* Created Bullet graphs to determine profit generation by using measures and dimensions data from Amazon Redshift, Oracle SQL Server and MS Excel.
* Used collections in Python for manipulating and looping through different your defined objects.
* Hands on experience on Azure VPN-Point to Site, Virtual networks, Azure Custom security, Endpoint security and firewall.
* Performed data manipulation/storage for incoming test data using lxml /etree libraries.
* Embedded AJAX in UI to update small portions of the web page avoiding the need to reload the entire page.
* Deployed the tools Microsoft Azure Cloud Service (PaaS, IaaS), and Web Apps.
* Environment: Python 2.7, Django 1.4, Behave, Puppet Rspec, Redshift ,Jenkins, Grafana/Graphite, MySQL, Linux, HTML, CSS, Bootstrap, JQuery, JavaScript, Apache, Linux, Git, Perl, Cassandra, Azure Automation cloud services.AWS Engineer

**Python Developer**

Centene Corporation - St. Louis, Missouri

July 2014 to September 2015

**Responsibilities:**

* Developed a multi-user web application using JSP, JSTL, Action Forms, Action Classes, JavaScript and JDBC to provide the needed functionality.
* Developed Java beans and JSP's by using Spring and JSTL tag libs for supplements.
* Used J2EE Design patterns (Singleton, Service Locator and DAO).
* Implemented MVC Architecture using JSF and Struts framework and custom tag libraries.
* Used Python and Django creating graphics, XML processing, data exchange and business logic implementation.
* Developed tools using Python, Shell scripting, XML to automate some of the menial tasks.
* Designed and Developed the Solution Architecture package to identify all possible solutions for the project using UML methodologies.
* Deployed Django web application in Apache webserver and carpathia cloud web deployment.
* Designed and developed middleware, using RESTful web services based on a centralized schema which is consumed by thousands of users.
* Carried out various mathematical operations for calculation purpose using python libraries.
* Involved in the deployment process of the application on WebSphere Application Server.
* SVN are used as source code controls and developed test cases using JUnit.
* Used RAD 7.0 for implementing Static and Dynamic web services for consuming and providing services related to the business.
* Built various graphs for business decision making using Python matplotlib library.
* Fetched twitter feeds for certain important keyword using python-twitter library.
* Used Python Library Beautiful Soup for webscrapping.ss. Environment: Java, Spring, Python, JavaScript, JDBC, XML, JAXB, Web services, SOAP, WSDL, Hibernate, Spring, IBM MQ, PL/SQL, WebSphere, RAD 7.0, JUnit, Oracle 10g, DB2, Mercury Quality Center, SVN.

**Python Developer**

Bank of America - Brea, CA

December 2013 to June 2014

**Responsibilities:**

* Experienced in NoSQL technologies like MongoDB, Cassandra and relational databases like Oracle, SQLite, MySQL, PostgreSQL and Dynamo DB.
* Experienced in Agile Methodologies, Scrum stories, Sprints experience in Python along with data analytics, data wrangling and Excel data extracts.
* Developed the front end module of the application using Python 2.7, HTML5, CSS3, AJAX, JSON and JQuery.
* Involved in the design and maintenance of the databases using Python and Python based API using Flask, SQL and PostgreSQL.
* Worked on JavaScript MVC framework like Angular JS.
* Used Python scripts to update the content in the database and manipulate files.
* Expertize in LAMP Linux, Apache, MySQL and Python architecture.
* Worked on Test Driven Approach for developing services required for the application.
* Worked mostly on the active records for the backend of the application.
* Involved in development of web services using SOAP for sending and getting the data from external interface in XML format.
* Exported Test case scripts and modified the selenium scripts and executed in Selenium RC environment.
* Experience with Microsoft Azure Automation tool.
* Environment: Python 2.7, Django, HTML5, CSS, Bootstrap, Pyramid, MySQL, MS SQL, T-SQL, JavaScript, Jasper Reports, Eclipse , Git.QA Tester

**Python Developer**

B2B Software Technologies Ltd

Hyderabad, Telangana

June 2011 to May 2012

**Responsibilities:**

* Designed and developed the User Interface for the project using HTML, CSS, JavaScript and AJAX.
* Participated in the development of application architecture and blueprints to define application components.
* Specification of platforms, interfaces and development tools.
* Used Python scripts for automation of production tasks.
* Generated property list for every application dynamically using Python.
* Rewrite existing Java application in Python module to deliver certain format of data.
* Used PyQuery for selecting particular DOM elements when parsing HTML.
* Developed SQL Queries, Stored Procedures, and Triggers Using Oracle.
* Experienced in writing indexes, views, constraints, stored procedures, triggers, cursors and user defined functions or subroutines in MySQL.
* Developed views and templates with Django's MVT (model, view and template) to create a user-friendly website.
* Experience on python packages like cx\_oracle, pyodbc and MySQL dB for working with Oracle, SQL Server and MySQLdb.
* Actively participated in System Testing, production support and maintenance/patch deployments.Environment: Python, Django 1.3, MySQL, UNIX, HTML, CSS, AJAX, JavaScript, Apache Web Server, SVN, Bugzilla.

**Java - Developer**

Cambridge Technology Enterprises -

Hyderabad, Telangana

August 2009 to May 2011

**Responsibilities:**

* Developed endeca pipeline, partial pipeline, stop words, thesaurus etc.
* Created navigation categories using endeca.
* Created page builder rules using endeca workbench.
* Contribute in all phases of the development life cycle.
* Write well designed, testable, efficient code.
* Develop and execute unit test cases
* Contribute in all phases of the development life cycle.
* Write well designed, testable, efficient code.
* Ensure designs are in compatible with specifications.
* Support formal testing and resolve test defects.
* Recommend changes to improve established java application process.
* Ensure designs are in compatible with specifications.
* Support formal testing and resolve test defects.
* Recommend changes to improve established java application process.
* Develop and execute unit test cases

**Education Details:**

* Master's in Computer Science From Silicon Valley University, San Jose, CA in 2013
* Bachelor's in Electronics and communication engineering , jntuh in 2009