**KIRAN**

**Python Developer**

**Professional Summary:**

* Over **7+** years of IT experience in analysis, design, development, implementation and testing of various stand-alone and client-server architecture based enterprise application software in **Python** on various domains.
* Handy Experience in developing web applications implementing **Model View Control** architecture using **Django, Flask**, and **Spring** web application frameworks.
* Experience in working on **Google App Engine** and its configurations.
* Good Experience in working with Python ORM Libraries including **Django ORM, SQLAlchemy**.
* Good Experience in Object Oriented Analysis in developing **front end** and **back end** framework using various design patterns.
* Strong expertise in development of web based applications using **Python, Java, HTML, XML, KML, CSS, DHTML, JavaScript, High Charts, JSON** and **JQuery.**
* Good knowledge over **Core Java** and **Object Oriented Programming** using concepts like **Multi-Threading**, **Exception Handling** and Collections.
* Good Experience on front end frame works like **Angular JS**
* Experience in developing web-based applications using **Python 2.7/2.6**, **Django 1.4/1.3**.
* Skilled experience in Python with using new tools and technical developments (libraries used: libraries-**Beautiful Soup, Jasy, numpy, Scipy, matplotlib, Pickle, PySide, Pandas dataframe, networkx, urllib2, Pychart, Highcharts**) to drive improvements throughout entire SDLC.
* Handy experience in working with various Python Integrated Development Environments like **NetBeans**, **PyCharm**, **PyScripter**, **PyDev** for Eclipse.
* Experience in using chart libraries like Highcharts, Fusion charts, Dygraphs, Flot, Google charts.
* Good understanding and experience of .NET Framework 3.0
* Good experience in working with **data analytics**, **data wrangling**, **web Scraping** and **Excel data** extracts in a Python based environment.
* Good knowledge of **J2EE Architecture** (JSP, JDBC, Data Source, JMS, Servlets).
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on **MySQL** and **PostgreSQL** database.
* Good knowledge of web services using **SOAP, REST** protocols.
* Strong Expertise in working with server side technologies including databases, Restful API and **MVC** design patterns.
* Knowledge in working with continuous deployment using **Heroku** and **Jenkins**.
* Experience in streamlining deployment process using **Maven.**
* Superior Troubleshooting and Technical support abilities with **Migrations**, **Network connectivity**, and **Security** and **Database** applications.
* Having Experience in using various version control systems like **SVN**, **CVS**, **Git**.
* Good experience in working with **Amazon Web Services** like **EC2,** Virtual private clouds **(VPCs**), Storage models (**EBS**, **S3**, **instance storage**), Elastic Load Balancers (**ELB**s)
* Having Proficiency in writing **SQL** Queries, Stored procedures, functions, packages, tables, views, triggers using relational databases like **Oracle**, **MySQL** and **MSSQL** Server.
* Good knowledge in working with application server - **Apache** Tomcat, **Web Logic**, **Web Sphere.**
* Open**VMS 6.2, 7.1 & 7.2, Unix (SOLARIS), Linux, and NT systems**. Performed system tuning functions and installed software on **NT, Unix**, and **Alpha servers.**
* Open VMS utilities included **SSH, PAWZ, DEC Event, NTP** and **DecNet Phase V**
* Managing Open**VMS** backup software (TapeSys) and disaster recovery.
* Responsible for data backups, restores and recovery using TapeSys software
* Assisted in troubleshooting of VMS hardware, software and network problems
* Programming **VAX/VMS** **11/780** using **FORTRAN, COBOL, FMS, DBMS, CDDL, RMS** and **DATATRIEVE** to custom program inner corporate computerized systems and unique logistics support applications.
* OpenVMS installation, management, scripting, boot process and startup; **VMS clusters**; **CIFS**; **DCL** scripting; Decnet.
* Developed tools by using **DCL** scripts and **lexical** functions to enhance the productivity.
* Experience in **Test** Driven Development and **Behavio**r Driven Development methodologies for consulting firms and enterprise projects.
* Experienced in **Unit testing**, **Integration testing**, **User acceptance testing**, **Functional testing**.
* Experience in working with different operating systems **Windows 98/NT/2000/XP/Vista/7/8, UNIX, and MAC OS X.**
* Developed and executed **test automation** through **LabView, Python** and hardware and software test tools.
* Responsible for the overall design and functionality as a traditional role of a web master using **CMS** tools.
* Experienced in **agile** and **waterfall** methodologies with high quality deliverables delivered on – time.

**Technical Skills:**

|  |  |
| --- | --- |
| **Frameworks** | Django, Flask, Pyramid, Spring and CSS Bootstrap |
| **Web Technologies** | HTML, CSS, DOM, SAX, Java Script, High Charts, JQuery, AJAX, XML, KML, AngularJS |
| **Programming Languages** | Python, Java, PERL, SQL and PL/SQL. |
| **J2EE Technologies** | JDBC, Servlets and JSP. |
| **Version Control** | SVN, CVS, Git, GitHub. |
| **Cloud Computing** | AWS EC2, S3, RDS (MySQL), SQS. |
| **Analytic Tools** | Adobe CQ, Google Analytics Fiddler |
| **Application servers** | Apache Tomcat, Nginix, JBoss, WebLogic, WebSphere |
| **Databases** | Oracle (9i,10g, 11g), My SQL, Apache Cassandra, MongoDB |
| **IDE’s/ Development Tools** | NetBeans, Eclipse, PyCharm, and Sublime Text. |
| **Operating Systems** | Windows, Red hat Linux 4.x/5.x/6.x, Ubuntu, and MAC OSX. |
| **Protocols** | TCP/IP, HTTP/HTTPS, SOAP |
| **Deployment Tools** | Heroku, Jenkins |
| **Issue Trackers** | Bugzilla, JIRA and Crucible. |

**Work Experience:**

**The Scotts Miracle Gro Company, Marysville, OH** **Jan 2016 - Present**

**Sr. Python Developer**

**Responsibilities:**

* Participated in all stages of **Software Development Life Cycle** like Planning, Analysis, Design, Implementation and Testing.
* Model View Control architecture is implemented using **webapp2, AngularJs** Framework to develop web applications.
* Developed Views and Templates with **Python** and using **Angular JS and Bootstrap** and template language, Website interface are created.
* Implemented Business logic, worked on data exchange, processed **XML** and **HTML** using **Python 2.7** and its familiar framework **Webapp2.**
* Designed and Developed User Interface using front-end technologies like **HTML, CSS, JavaScript, JQuery, Angular JS, Bootstrap** and **JSON.**
* Worked with **Python OO Design** code for logging, manufacturing quality, monitoring, and debugging code optimization.
* Worked on **Google App Engine** and its **server** configurations.
* Worked on **PIP**, **Nodejs , Bower**.
* Implemented **Oauth2** for accessing the Google APIs.
* Implemented **App Engine SDK** for Google Data store and Cloud storage.
* Implemented **Google Cloud APIs** such as **Compute Engine API, BigQuery API, Cloud Storage Service, Cloud Datastore API, Cloud Deployment Manager API** and also implemented **Google Apps APIs like Drive API, Calendar API, Sheets API, Admin SDK** and also implemented **Google+ API**.
* Worked on **Google client API** for accessing the Google data store.
* Worked on **Google Blob store API for** storing data in blob store.
* Worked on **Google client API** for **cron** jobs.
* Designed and implemented **Cron** jobs to update records in **Google data store** for various functionalities to be run on scheduled time.
* Enhanced the efficiency of the application by **archiving** the inactive files or internal apps using **Cron** jobs.
* Building the application that can **download**, **edit**, **archive** and **publish** the files from **Google cloud storage**
* Designed and implemented the functionality of attaching the documents from **Google Drive** in to the local application using **Google Drive API.**
* Uploading file from **Google drive** to **Cloud Storage**.
* Work on **Google picker API** to browse the file from **Google drive.**
* Creating table using **ng-table** and implement custom sorting.
* Wrote **Python routines** to log into the websites and fetch data for selected options.
* Worked on rebranding the **existing web pages** to clients according to the type of deployment.
* Worked on updating the existing **clip board** to have the new features as per the client requirements.
* Used many **regular expressions** in order to match the pattern with the existing one.
* Skilled in using collections in **Python** for manipulating and **looping** through different user defined objects.
* Improved **code reuse** and **performance** by making effective use of various design patterns.
* **Python Unit test library** was used for the purpose of testing many programs on Python and other codes.
* Performed different testing methods like **Unit** testing, **Integration** testing, **web application** testing and **Selenium** testing.
* Analyzed performance **test** **requirements** and developed test plans and have done debugging to understand test objective requirements.
* Deployed the project into Jenkins using **GIT** version control system.
* Facilitated **Sprint Planning**, **Daily Scrums** and **Retrospectives** if the Scrum Master is not able to do so for any reason.

**Environmen**t: **Python 2.7,Google App Engine, Webapp2, Java Script, Angular JS, , JSON, AJAX, XML, CSS, Google Cloud Storage, Google datastore Bootstrap, Restful Web Services, GitHub, Linux, Pycharm, Google cloud platform.**

**Creehan & Company Canonsburg, PA** **Aug 2015 – Jan 2016**

**Sr. Python Developer**

**Responsibilities:**

* Participated in all stages of **Software Development Life Cycle** like Planning, Analysis, Design, Implementation and Testing.
* Model View Control architecture is implemented using **Django** Framework to develop web applications.
* Implemented Business logic, worked on data exchange, processed **XML** and **HTML** using **Python 2.7** and its familiar framework **Django**.
* Designed and Developed User Interface using front-end technologies like **HTML, CSS, JavaScript, JQuery, AngularJS, Bootstrap** and **JSON.**
* Worked with **Python OO Design** code for logging, manufacturing quality, monitoring, and debugging code optimization.
* Worked on **Django API's** for accessing the database.
* Developed Views and Templates with Python and using **Django's view controller** and template language, Website interface is created.
* Worked on localization concept for multilingual web pages in **ASP.NET 3.5**
* Used **ASP.Net** **AJAX** **Server Control** and toolkit retrieve data from server
* Developed various screens for this portal using **ASP.NET** and **C#**.
* Used **IBM DB2 SQL** stored procedures and **UNIX Shell Scripts** for importing/exporting Data and Conversions.
* Used Django Database **API's** to access database objects.
* Worked on **Ansible python API** for controlling the nodes and extending various python events..
* Involved and worked on Python **Open stack API's**.
* Implemented **RESTful Web Services** for the data transportation between multiple systems.
* Added support for Amazon **AWSS3** and **RDS** to host static/media files and the database into **Amazon Cloud**.
* Implemented navigation rules for the application and page outcomes, written **controllers** using annotations.
* Writing **Python** scripts with **Cloud Formation** templates to automate installation of **Autoscaling**, **EC2**, **VPC**, and other services.
* Created **Django** dashboard with custom look and feel for end user after a careful study of **Django admin site** and **dashboard.**
* Managed large datasets using **Panda** **data** **frames** which is a python Data Analysis Library and also using **MySQL**
* Usage of advance features like **pickle**/**unpickle** in **python** for sharing the information across the applications.
* **Python Unit test library** was used for the purpose of testing many programs on Python and other codes.
* Performed different testing methods like **Unit** testing, **Integration** testing, **web application** testing and **Selenium** testing.
* Implemented task object to interface with data feed framework and invoke database message service setup and update functionality.
* For the manipulation of data from the database various queries using **SQL** were written and created a database using **MYSQL**.
* Developed complete data model and formation of schema for **MYSQL** database through **Migration.**
* To build and populate DB and to ensure the standards, the team of QA was also collaborated.
* Used **AJAX** for better interactivity for the end user and easier navigation and AJAX is compact.
* Built various graphs for business decision-making using **Python matplotlib** library.
* Used Python library **Beautiful Soup** for web Scrapping.
* Worked on **Jenkins** continuous integration tool for deployment of project.
* Deployed the project into Jenkins using **GIT** version control system.
* Implemented automate scripts to back up the old records using **MongoDB** export command and transfer these backup files into backup machine using **ftplib**.
* Maintaining multiple copies of data in different database servers using **MongoDB Replication concept**.
* Developed and configured **test automation** networks and executes stability and performance tests.
* Facilitated **Sprint Planning**, **Daily Scrums** and **Retrospectives** if the ScrumMaster is not able to do so for any reason.

**Environmen**t: **Python 2.7, Django, ASP.NET 3.5, Java Script, HTML, XHTML, Angular JS, JQuery, JSON, AJAX, XML, CSS, IBM DB2, SQL, MySQL, Bootstrap, Restful Web Services, matplotlib library, Beautiful Soup, Selenium, Jenkins, GitHub, Linux, Eclipse, AWS (EC2, S3, RDS).**

**Enquero, Lafayette, LA Nov 2014 - Aug 2015**

**Sr. Python Developer**

**Responsibilities:**

* Participate in **requirement** gathering and analysis phase of the project in documenting the business requirements by conducting workshops/meetings with various business users.
* Worked with team of developers on **Python** applications for RISK management.
* Used the **Django** **Framework** to develop the application.
* Used **HTML**, **CSS**, **JQuery, JSON** and **Javascript** for front end applications.
* Designed and developed the UI of the website using **HTML, XHTML, AJAX, CSS** and **JavaScript**.
* Also used **Bootstrap** as a mechanism to manage and organize the html page layout.
* Implemented web applications in **Flask** and **spring** **frame** **works** following **MVC** architecture.
* Used **Python** to place data into **JSON** files for testing **Django** Websites.
* Updated and manipulated content and files by using python scripts.
* Used the **Django** **Framework** to develop the application.
* Implemented web applications in **Flask** and **spring** **frame** **works** following **MVC** architecture.
* Used **Django** configuration to manage URLs and application parameters.
* Worked on Python Open stack **API's**.
* Experience in development of web services **SOAP, RESTful** for sending and getting data from the external interface in the XML and JSON format
* Used **Python** scripts to update content in the database and manipulate files.
* Generated **Python Django Forms** to record data of online users
* Used **Python** and **Django** creating graphics, **XML** processing, data exchange and **business logic** implementation
* Used **Pandas** API to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Used **C#, ASP.NET AJAX** Toolkit controls like Script Manager, Update Panel and Modal Popup Extender within some web pages.
* Used **ASP.NET** input **Validation** controls and **Java** **Script** for client side validation.
* Worked on **.NET** Security features such as Forms-based **Authentication** and Role-based Authorization
* Migrated the legacy applications from **VB 6.0** and classic **ASP** to **.NET** Framework 1.1 using **VB.NET** as code behind.
* Added support for **Amazon AWS S3** and **RDS** to host static/media files and the database into Amazon Cloud.
* Developed tools using **Python**, **Shell scripting**, **XML** to automate some of the menial tasks.
* Used **Django** configuration to manage URLs and application parameters.
* Built various graphs for business decision-making using **Python** **matplotlib** library.
* Wrote and executed various **MYSQL** database queries from Python using **Python-MySQL connector** and **MySQL db package**.
* Created **indexes** for few data tables through **Migrations**, which were used for enhancing searching functionality.
* Involved in development of Web Services using **SOAP** for sending and getting data from the external interface in the XML format.
* **Manage, collaborate** and **coordinate** the work of an **offshore** development team.
* Worked on rebranding the **existing web pages** to clients according to the type of deployment.
* Worked on updating the existing **clipboard** to have the new features as per the client requirements.
* Used many **regular expressions** in order to match the pattern with the existing one.
* Skilled in using collections in **Python** for manipulating and **looping** through different user defined objects.
* Worked on development of SQL and stored procedures on **MYSQL**.
* Used **Maven** to validate, compile and deploy the files.
* Responsible for debugging the project monitored on **JIRA** (Agile).
* Analyzed performance **test** **requirements** and developed test plans and have done debugging to understand test objective requirements
* 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.

**Environment:** **Python, Amazon AWS S3, ASP.NET, MySQL, HTML, Python 2.7, Django 1.4, HTML5, CSS, XML, MySQL, MS SQL Server, JavaScript, AWS, Linux, Shell Scripting, AJAX.**

**Bronx - Lebanon, NY**  **May 2013 - Sep 2014**

**Python Developer**

**Responsibilities:**

* Generated **Python Django** Forms to record data of online users.
* Designed and Developed User Interface using front-end technologies like **HTML**, **CSS**, **JavaScript**, **JQuery**, **AngularJS**, **Bootstrap** and **JSON**.
* Handled all the client side validation using **JavaScript**.
* Created **PHP/MySQL** back-end for data entry from Flash. I had to assist the Flash developer send the correct data via query strings.
* Developed monitoring and notification tools using **Python.**
* Created Data tables utilizing **PyQt** to display patient and policy information and add, delete, update patient records.
* Wrote **Python routines** to log into the websites and fetch data for selected options.
* Designed and created backend data access modules using **PL/SQL** stored procedures and **Oracle.**
* Good experience in writing **SQL Queries** and implementing stored procedures, functions, packages, tables, views, Cursors, triggers.
* Experience in using collections in **Python** for manipulating and looping through different user defined objects.
* Developed and executed **User Acceptance Testing** portion of test plan.
* Generated **Python Django** forms to record data of online users and used **PyTest** for writing test cases.
* Involved in capturing the **requirements** for serial functional interface and other software requirements specification document.
* Responsible for generating and delivering the complete test status reports of each patient.
* Used **Python** to extract weekly bed availability information from **XML** files using underscore JS.
* Developed shopping cart for pharmacy and integrated **web services** to access the payment.
* Used **Pandas** library for statistics Analysis.
* Used **Numpy** for Numerical analysis for Insurance premium.
* Improved **code reuse** and **performance** by making effective use of various design patterns.
* Created most important **Business Rules**, which are useful for the scope of project and needs of customers.
* Designed the **architecture** of the hardware environments and methodology of the code.
* Prepared scripts, executing test cases and debugging, also prepared automation scripts in **Selenium** **WebDriver**.
* Experienced in **Agile** Methodologies and **SCRUM** Process.
* Worked in development of applications especially in **UNIX** environment and familiar with all of its commands.

**Environment: Python 2.5, Django 1.4, HTML5, CSS, XML, MySQL, MySQL, JavaScript, Angular JS, Backbone JS, JQuery, CSS Bootstrap, MS SQL Server, Adobe CQ, T-SQL, JavaScript, Eclipse, Git, Linux, Shell Scripting.**

**EDASSIST, Watertown, MA Nov 2011 - April 2013**

**Python Developer**

**Responsibilities:**

* Participated in the complete **SDLC** process and used **PHP** to develop website functionality.
* Designed and developed the UI of the website using HTML**, XHTML, AJAX, CSS** and **JavaScript**.
* Developed entire frontend and backend modules using **Python** on **Django** Web Framework.
* 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 2.7**.
* Used **Django** APIs for database access.
* Provided **GUI** utilizing **PyQt** for the end user to create, modify and view reports based on client data.
* **Angular.js** is used to build efficient backend for client web application.
* Used Python to extract information from **XML** files.
* Expertise in **Service Oriented Architecture** (SOA) and its related technologies like Web Services, **BPEL**, **WSDLs, SOAP1.1, XML, XSD, XSLT** etc.
* Participated in requirement gathering and worked closely with the architect in designing and modeling.
* Worked on development of **SQL** and stored procedures on **MYSQL**.
* Developed shopping cart for Library and integrated web services to access the payment (E-commerce)
* Designed and developed a horizontally scalable **API**s using **Python Flask**.
* Designed **Cassandra schema** for the APIs.
* Implemented monitoring and established best practices around using elastic search.
* Effectively communicated with the external vendors to resolve queries.
* Used **GIT** for the version control.

**Environment:** **Python 2.6/2.7, JavaScript, Django Framework 1.3, CSS, SQL, MySQL, LAMP, JQuery, Adobe Dreamweaver, Apache web server.**

**Exilant Technologies, Bangalore, India Dec 2009 - Sep 2011**

**Java / J2EE Developer**

**Responsibilities:**

* Used **Struts** **framework** for MVC design Pattern, Action class, Action Servlets.
* Created **JSP** screen by assembling Struts **Tiles** and **Taglibs** and used **HTML** for static webpage And **JavaScript** for View part of the project.
* Used **Eclipse** **IDE** for writing code and **BEA** **WebLogic** as application server.
* Implemented simulated top-down **SOAP** based Web Service to test the business logic for the rating calculation.
* Used **JDBC**, **MQ** Series and Web Services, and **Hibernate** **framework** to access the data from back-end **MS** **SQL** database server.
* Experience of implementing enterprise systems based on Microsoft **Azure** PaaS platform using **Azure Storage Queue**, **Azure Table, Azure BLOB**, Worker / Web Role and Azure Redis Cache in an integrated development & test environment involving **Azure SDK**, Visual Studio and Azure Emulator
* Worked on **Struts**, **Tiles**, **Ajax**, for developing the application.
* Used Stored Procedures to crunch data and creating view for fetching data from multiple tables on MS SQL Server.
* Used Java Persistence API (**JPA**) for managing relational data mapping.
* Worked on **Spring** **framework** to implement **bean** to declare a service and accessed those using Application context.
* **JMS** for sending and receiving Messages through application server.
* Used **XML** **SAX** to parse the simulated xml file which has simulated test data.
* Used **SVN** for version control.
* Used **Log4J** logging framework to write Log messages with various levels.
* Developed Automated Test Application which validates various XML document using Junit
* Used **JRockit** **JDK** to develop and run the underwriting workbench application.
* Followed **Agile** Methodology during the development process.
* Work with DNS to map the website to its IP address.
* Extensively used **GWT** for developing **AJAX** applications.
* Used **Maven** to validate, compile and deploy the files.

**Environment: Java /J2EE, Hibernate, Struts, Tiles, Spring, JSP, CSS, JDBC, Servlets, XML, JRockit, JUnit, JavaScript, JMS, Eclipse, GWT, MSSQL Server 2005, Ajax, BEA WebLogic Server, UML, Maven, UNIX, SVN.**

**Pramati Technologies, Hyderabad, India Aug 2008 - Nov 2009**

**Java / SQL Developer**

**Responsibilities:**

* Involved in developing the UI pages using **HTML, DHTML, CSS, JavaScript, JSON, jQuery, Ajax**.
* Involved in writing test cases using **JUNIT**.
* Involved in developing **HTML** and **JavaScript** for client side presentation and data validation on the client side with in the forms.
* Created **Servlets** and **Beans** to implement Business Logic.
* Created database access layer using **JDBC** and **PL/SQL** stored procedures.

Designed object model, data model, tables, constraints, necessary stored procedures, functions, triggers, and packages for **Oracle** Database.

* Developed **test plans** and **procedures** from the requirement and specification documents.
* Worked on Java based connectivity of client requirement on **JDBC** connection.
* Used data types like **dictionaries, tuples** and **object oriented** concepts based inheritance features for making complex algorithms of networks.
* Involved in peer code reviews and performed integration testing of the modules.
* Followed coding and documentation standards.

**Environment:** **Java, Servlets, JDBC, HTML, CSS, JavaScript, JSON, XML, PL/SQL, SQL, web services, JUNIT.**

**Education**: Bachelor of Technology in **Computer Science**, Hyderabad, India, 2008