Huai Pin

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**Career Objective**

Over 6 years of IT 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**

**General Electric, Boston, MA**

***Python Developer, May 2019 - Present***

* Good experience in developing web applications implementing Model View Control architecture using Django, Flask, Pyramid and Python web application frameworks. Experienced in working with various Python Integrated Development Environments like NetBeans, 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.
* Experience with front end frame works like CSS Bootstrap. 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.
* Sound experience in Core Java and Object-Oriented Programming using concepts like Multi-Threading, Exception Handling and Collections.
* Good knowledge of web services with protocols SOAP, REST. Experienced in working with server-side technologies including databases, restful API and MVC design patterns.
* 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. Superior Troubleshooting and Technical support abilities with Migrations, Network connectivity and Security and Database applications.
* 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, Panda’s data frame, network, urllib2, MySQL dB for database connectivity) to drive improvements throughout entire software development lifecycle.
* Knowledge about setting up Python REST API Framework using Django.
* Experience in using various version control systems like CVS, Git, GitHub and Amazon EC2 and deployment using Heroku.
* Documentation of Architecture, Design and Operational procedures. Proficient in writing SQL Queries, Stored procedures, functions, packages, tables, views, triggers using relational databases like Oracle, DB2 and MySQL.
* Worked with application server- Apache Tomcat (6.0, 7.0, 8.0). Experience in working with Python ORM Libraries including Django ORM.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly interface using MVC architecture.
* Automated the existing scripts for performance calculations using NumPy and SQL alchemy.
* Interacted with QA to develop test plans from high-level design documentation Environment: Python 2.7, Django 1.4, HTML5, CSS, XML, MySQL, JavaScript, Angular JS, Backbone JS, JQuery, CSS Bootstrap, Mongo DB, T-SQL, JavaScript, Eclipse, Git, GitHub, AWS, Linux, Shell Scripting

**Santander Bank, Boston, MA**

***Python Developer, April 2016 - Apr 2019***

* Developed web applications in Django Framework's model view control (MVC) architecture. Exposure on Multi-Threading factory to distribute learning process back-testing and the into various worker processes.
* Performed efficient delivery of code based on principles of Test-Driven Development (TDD) and continuous integration to keep in line with Agile Software Methodology principles.
* Different testing methodologies like unit testing, Integration testing, web application testing.
* Selenium testing performed.
* Lock mechanisms were implemented, and the functionality of multithreading has been used.
* Python/Django based web application, Post greSQL DB and integrations with 3rd party email, messaging, storage services.
* Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash.
* Designed and implemented and delivered custom scripts.
* Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, Oracle DB and PostgreSQL.
* Used Pandas library for statistics Analysis.
* Managed large datasets using Panda data frames and MySQL.
* Extensively used Python modules such as requests, urllib, urllib2 for web crawling.
* Developed the required XML Schema documents and implemented the framework for parsing XML documents.
* Interacted with QA to develop test plans from high-level design documentation Environment: Python 2.7, Django, HTML5/CSS, MS SQL Server 2013, MySQL, JavaScript, Eclipse, Linux, Shell Scripting, JQuery, GitHub, Angular.JS, Jira.

**American Express, Phoenix AZ**

***Python Developer, Aug 2015 - March 2016***

* Automation of infrastructure using Terraform and Ansible.
* Implemented cloud infrastructure automation using internal web-services and distributed worker queues (celery).
* Worked on development of internal testing tool framework written in Python.
* Developed GUI using Python and Django for dynamically displaying the test block documentation and other features of python code using a web browser.
* Wrote scripts in Python for extracting data from HTML file.
* Used JavaScript and JSON to update a portion of a webpage.
* Responsible for debugging the project monitored on JIRA (Agile).
* Wrote Python scripts to parse JSON 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.
* Created database using MySQL, wrote several queries to extract data from database.
* Developed Merge jobs in Python to extract and load data into MySQL database.
* Successfully migrated the Django database from SQLite to MySQL to PostgreSQL with complete data integrity.
* Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.
* Designed front end using UI, HTML, Bootstrap, Node JS, underscore JS, Angular JS, CSS, and JavaScript.
* Followed AGILE development methodology to develop the application.
* Used and customized Apache server to check the developed project.
* Used Test driven approach (TDD) for developing services required for the application.
* Used Git to resolve and coding the work on python and portlet Environment: Python 2.7, Django 1.4, HTML5, CSS, XML, MySQL, JavaScript, Angular JS, Backbone JS, JQuery, CSS Bootstrap, Mongo DB, T-SQL, JavaScript, Eclipse, Git, GitHub, AWS, Linux, Shell Scripting.

**Education**

**Additional Skills**

* Bugzilla and JIRA.
* Django, Zope, PyJamas, Jython, CSS Bootstrap
* 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.
* Analytic Tools
* JMP PRO, SAS, Tableau, UCI NET, Node XL
* Application servers
* Apache Tomcat, JBoss
* Databases
* Oracle (9i,10g, 11g), My SQL, Apache Cassandra, MongoDB
* IDE's/ Development Tools
* NetBeans, 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
* Deployment Tools
* Heroku, Amazon EC2
* Testing Tools
* AGILE, Customer service, HTML5, Linux, Programming, MS SQL Server
* Apache server, Version Control, HTML, Messaging, Coding, SQL
* Apache, CVS, HTTP, Windows, Protocols, Statistics
* API, Database, IDE, MVC, Python 2.7, TCP/IP
* Approach, Databases, Insurance, My SQL, Python, Tomcat
* Automation, Debugging, J2EE, MySQL, QA, T-SQL
* Backup, Delivery, JSP, Operating Systems, Red hat Linux 4.x, Troubleshoot
* Bash, Documentation, Java Servlets, Oracle, Risk analysis, Troubleshooting
* C, DOM, Java Script, Oracle DB, SAS, View
* Charts, Eclipse, JavaScript, DB, Servers, Web applications
* Content, Email, JBoss, PL/SQL, Scripts, Website
* Controller, Features, JDBC, PERL, Shell Scripting, Written
* CSS, GUI, JMS, PostgreSQL, SMTP

References

References available upon request