Vamsi K. Kondreddy

Sr. Python Developer

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GREEN CARD Work Status

**Summary of Qualifications:**

* Result-driven IT Professional with **9+ years** of **e**xperience in designing, developing, testing and implementing various stand-alone and client-server architecture-based enterprise application software in Python on different domains.
* Highly skilled in Python with proven expertise in using new tools and technical developments (libraries used: libraries- **BeautifulSoup, Jasy, NumPy, Scipy, Matplotlib, Pickle, PySide, python-twitter, Pandas Dataframe, networks, urllib2, MySQL dB** for database connectivity) to drive .com
* Good experience in developing web applications implementing **Model View Control** architecture using **Django, Flask, Pyramid and Zope Python web application frameworks**.
* Experience in working with various Python Integrated Development Environments like **Net Beans, PyCharm, PyScripter, Spyder, PyStudio, PyDev and Sublime Text.**
* Good understanding of protocols/technologies like **HTTP, LDAP, JDBC, SSL, Servlet/JSP, SQL, HTML, XML.**
* Good knowledge on front end frame works like **CSS Bootstrap**.
* Experience with Design, code, and debug operations, reporting, data analysis and web applications utilizing Python.
* Good Experience with **Django**, a high-level Python Web framework.
* Experience in **Object Oriented Programming** using concepts like Multi-Threading, Exception Handling and Collections.
* Excellent knowledge on setting up Python **REST API Frame** work using Django.
* Experience in working with Python **ORM Libraries** including **Django ORM**.
* Experience in implementing **Model View Control (MVC)** architecture using server-side applications like **Django**, Flask and Pyramid for developing web applications.
* Good Knowledge in implementation of **Python best Practices** (PEP-8).
* Good at writing SQL Queries, Stored procedures, functions, packages, tables, views, triggers using relational databases like **Oracle, MySQL, DB2**.
* Proficient in using editors **Eclipse, PyCharm, PyScripter, Notepad++ and Sublime Text** while developing different applications.
* Good knowledge in using NoSQL databases like **Apache Cassandra (1.2, 2.0 and 2.1) and Mongo DB (2.6, 2.4), Orient DBF net.**
* Experience in **Agile Methodologies, Scrum Stories and Sprints** experience in a Python based environment, Data analytics, data wrangling and Excel data extracts.
* Excellent in business analysis, interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and work well in team environment.

**Technical competencies:**

Programming Languages: C, C++, Python-3.5 & 2.7, SQL and Shell Scripting

Python Libraries: Python, Django, Flask, Beautiful Soup, httplib2, Jinja2, HTML/CSS, Bootstrap, jQuery, Numpy, Matplotlib, Pickle, PySide, SciPy, wxPython, PyTables, PDB

Frameworks: Django, Spark, web2py, pyramid, Flask, MongoDB, CSS, Bootstrap

Technologies: HTML, CSS, DOM, SAX, Java Script, JQuery, AJAX, XML, Angular JS

Version Control: GIT (GitHub), SVN, CVS, Bitbucket

Protocols: TCP/IP, HTTP/HTTPS, SNMP, SMTP

IDE's/ Development Tools: NetBeans, Android Studio, PyCharm, Eclipse and Sublime Text.

Application Tools: Net Beans, Eclipse (SE, EE, Android), Visual Studio, MySQL

Deployment Tools: Heroku, Jenkins

Tracking Tools: Bugzilla and JIRA

Methodologies: Agile, Scrum and Waterfall

Databases: Access, SQL Server, MySQL, Teradata, Oracle

Software packages: MS Word, Advanced MS Excel, MS PowerPoint, SQL Plus

Reporting Tools: SSRS, Tableau, MS-Word, and MS-PowerPoint

Operating systems: Linux/Unix, Windows Variants

**Professional Experience:**

***Client: Samsonite - Mansfield, MA*** *Jan 2016 - Present*

***Role: Sr. Python Developer***

Project scope was to design & develop a web-based Python application, created to help online users. This application offers a variety of plans, as well as tools to help you choose the plan that's right for users.

**Roles & Responsibilities:**

* Effectively worked in Agile development following Scrum process, Sprint and daily stand-up meetings
* Developed Views and Templates with **Django view controller and template language** to create a user-friendly website interface.
* Worked on frontend and backend modules using Python on **Django Web Framework**.
* Created application structure based on Angular style guides and best practices
* Created user interface components using **Angular.Js** and **ReactJS**
* Created **React Redux** based applications, using ReactJS components (View) based frontend and Redux (Model & Controller) based backend architecture.
* Implemented and enhanced **CRUD operations** for the applications using the **MVT** (Model View Template) architecture of Django framework and Python conducting code reviews.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the **HTML, CSS, JavaScript** and **jQuery**
* Used OOP to develop network communications between departments within the building
* Created APIs, database Model and Views Utilization Python to build responsive web page application.
* Used **GitHub** for Python source code version control, **Jenkins** for automating the build **Docker containers**, and deploying in **Mesos**
* Developed multiple **React Redux** based pages that provided functionality for Login/Logout, display of vendor data like vendor opportunity, top vendors, a tile-based display of important overview information, summary metrics etc.
* Designed and implemented a dedicated **MySQL database** server to drive the web apps and report on daily progress.
* Used **PyUnit**, the Python unit test framework, for all Python applications
* Worked on **Jenkins** continuous integration tool for deployment of project
* Worked with product teams to improve documentation of **Ansible** development environments; identified additional tests for Ansible roles that could be done via **Test Kitchen, Docker, and Server spec or Git Lab CI**
* Automated the continuous integration and deployments using **Jenkins, Docker, Ansible** and **AWS Cloud Templates.**
* Installed and maintained **Jenkins** for Continuous Delivery as well as automate Ansible Playbook runs against production infrastructure
* Configure, implement, and automate Continuous Integration and Deployment pipelines for software delivery teams utilizing **Jenkins** and other supporting tools
* Participated in requirement gathering and worked closely with the architect in designing and modeling.
* Developed, tested and debugged software tools for clients and internal customers of the organization.
* Coded test programs and evaluated existing engineering processes.
* Documented company **Restful API's** using Swagger for internal and third part use and worked on Unit testing and Integration testing.
* Used **Git** for the version control.
* Created a Git repository and added the project to **GitHub**.
* Collaborated with internal teams and external teams to solve the issues and giving feedbacks.
* Worked on **object-oriented programming (OOP)** concepts using **Python, Django** and **Linux**.
* Used **JIRA** for bug tracking and issue tracking.
* Documented the problems and progress of project most accurately

**Environment:** Python, Django, HTML5/CSS, MySQL, JavaScript, Eclipse, Linux, Shell Scripting, Ansible, jQuery, GitHub, JIRA, MS Office, and UNIX

***Client: Target - Minneapolis, MN*** *Apr 2014 - Dec 2015*

***Role: Python Developer***

**Roles & Responsibilities:**

* Involved in analysis, specification, design, and implementation and testing phases of **Software**
* **Development Life Cycle (SDLC)** and used **agile methodology** for developing application. Upgraded existing UI with HTML, CSS, jQuery and Bootstrap.
* Used Salt Stack to configure and manage the infrastructure.
* Designed Restful Web Services using Python **REST** **API** Framework.
* Implemented the application using **Python Spring IOC** (Inversion of Control), **Django Framework** and handled the security using Python Spring Security.
* Tested entire frontend and backend modules using Python on **Django** Web Framework.
* Responsible for handling the integration of database systems.
* Developed Server-side automation using **Node JS** scripting and connecting different types of **SQL** and **NoSQL** stores from **Node JS**.
* Used **object-relational mapping (ORM)** solution, technique of mapping data representation from MVC model to Oracle Relational data model with an SQL-based schema
* Implemented Performance tuning and improved the Performance of Stored Procedures and Queries.
* Installed and configured PyBuilder for application builds and deploying it.
* Developed and Deployed **SOAP based Web Services** on Tomcat Server
* Used **Jenkins** for continuous integration for code quality inspection and worked on building local repository mirror and source code management using **Git hub**.
* Used IDE tool to develop the application and **JIRA** for bug and issue tracking.
* Wrote unit testing codes using unit test, resolving bugs and other defects using **Firebug**
* Used **JIRA** to assign, track, report and audit the issues.
* Used **GIT** to coordinate team development

**Environment:** Python, Django Web Framework, HTML, CSS, NoSQL, JavaScript, JQuery, Sublime Text, Jira, GIT, PyBuilder, unit test, Firebug, Web Services, AWS

***Client: HSBC - Buffalo, NY*** *Jul 2012 - Mar 2014*

***Role: Python Programmer / Analyst***

**Roles & Responsibilities:**

* Involved with the Insurance Department and provide development and maintenance and web support of the online portal handling the transactions.
* Worked on designing, coding and developing the application in Python using **Django MVC**.
* Extensively used OOD concepts in overall design and development of the system.
* Worked with team of developers on Python applications for RISK management.
* Used Django configuration to manage URLs and application parameters.
* Created Data tables utilizing PyQt to display customer and policy information and add, delete, update customer records.
* Used Numpy for Numerical analysis for Insurance premium.
* Build **SQL, NO SQL** queries implementing functions, packages, views, triggers, and tables.
* Used Pandas (Python library) for Statistical Analysis.
* Built various graphs for business decision making using Python Matplotlib library
* Used Subversion version control tool (GIT) to coordinate team-development and added the project to GitHub.
* Thoroughly used Unit Test Python library for testing many Python programs and block of codes.
* Involved in **Agile Methodologies** and **SCRUM** Process.
* Created APIs, database Model and Views Utilization Python to build responsive web page application.
* Implemented several sockets, **TCP/IP, UDP, Twisted ZeroMq, XMLRPC** programs to retrieve data from various data centers
* Wrote Python modules to extract/load asset data from the **MySQL** source database.
* Coded test programs and evaluated existing engineering processes.
* Participated in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
* Created Workbooks and dashboards for analyzing statistical billing data using **Tableau 9.0**.
* Designed and developed various analytical reports from multiple data sources by blending data on a single worksheet in Tableau Desktop

**Environment:** Python 3.x, Django 1.8, Shell Scripting, AWS, Pandas, PyQt, PyQuery, Wireshark, Flash, DOM, JSON, PHP, HTML5, CSS3, AJAX, JavaScript, Angular.js, Bootstrap, Apache Web Server, MYSQL, GitHub, LINUX. Tableau

***Client: Illumina - San Diego, CA*** *Dec 2011 - Jun 2012*

***Role: Python Developer***

**Roles & Responsibilities:**

* Developed web applications to store and retrieve data by using HTML, CSS, Bootstrap, JavaScript for user interface and Django, Python based packages are implemented.
* Created Python and Bash tools to increase efficiency of call center application system and operations; data conversion scripts, **REST, JSON**, and **CRUD** scripts for API Integration.
* Created a Python/Django based web application using Python scripting for data processing, MySQL for the database, and HTML/CSS/jQuery and High Charts for data visualization of the served pages.
* Built Python scripts to identify and correct erroneous data in PostgreSQL database using clustering, regression, and statistics
* Used standard Python modules e.g. csv, robot parser, Itertools, pickle, jinja2, lxml for development.
* Worked extensively with **Bootstrap, JavaScript**, and **jQuery** to optimize the user experience.
* Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
* Developed entire frontend and backend modules using PHP/Python.
* Used Python Library Beautiful Soup for web scrapping to extract data for building graphs.
* Rewrite existing Java modules to deliver certain format of data.
* Handled all the client-side validation using JavaScript.
* Used Subversion version control tool to coordinate team-development.
* Responsible for debugging and troubleshooting of web application.
* Design, develop, test, deploy and maintenance of the website

**Environment:** Python 2.6, Django web framework, Java, MySQL, Linux, HTML, XHTML, CSS, AJAX, JavaScript, Apache Web Server, REST API, Beautiful Soup

***Client: Renown, India*** *Oct 2010 - Nov 2011*

***Role: Python Developer***

**Roles & Responsibilities:**

* Wrote Python routines to log into the websites and fetch data for selected options.
* 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.
* Developed a **MATLAB** algorithm which determines an object's dimensions from digital images.
* Web-services backend development using Python (CherryPy, Django, SQL Alchemy).
* 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 resulting reports of the application and Tableau reports.
* Worked on **HTML5, CSS3, JavaScript, AngularJS, Node.JS, Git, REST API, Mongo DB, Intellij IDEA.**
* Design and Setting up of environment of **Mongo dB** with shards and replica sets. (Dev/Test and Production).
* Performed QA testing on the application.
* 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.
* NLP File Prep Settlement-Prepare files for review for Settlement.
* Developed rich user interface using **CSS, HTML, JavaScript** and **JQuery**.
* Created a Python based **GUI application** For Freight Tracking and processing
* Used **Django framework** for application development.
* Developed and maintained various automated web tools for reducing manual effort and increasing efficiency of the Global Shipping Team.
* Created database using **MySQL**, wrote several queries to extract data from database.
* Setup automated Cronjobs to upload data into database, generate graphs, bar charts, and upload these charts to wiki and backup the database.
* Effectively communicated with the external vendors to resolve queries.
* Used Perforce for the version control.

**Environment:** Python 2.7, Django 1.4, MySQL, Windows, Linux, HTML, CSS, JQuery, JavaScript, Apache, Linux, Quality Center

***Client: HDFC Life, India*** *Jun 2009 - Sep 2010*

***Role: Python Developer***

**Roles & Responsibilities:**

* Participated in the development of application architecture and blueprints to define application components, platforms, interfaces and development tools.
* Updated site with JavaScript, **JQuery, Python, Django**, and **SQL**.
* Created backend database T-SQL stored procedures and Jasper Reports. Created and updated complex views and stored procedures in PostgreSQL.
* Exported/Imported data between different data sources using SQL Server Management Studio.
* Designed and developed the UI of the website using **HTML, XHTML, AJAX, CSS** and **JavaScript**.
* Worked on development of SQL and stored procedures on **MYSQL**.
* Developed views and templates with **Python** and **Django's view controller** and templating language to create a user-friendly website interface.
* Participated in multiple sprint cycles, addressing requirements for UI development.
* Used decorators, list comprehensions, functional programming, unit tests, multiple staging environments and global team remote collaboration.

**Environment**: Python, Django, HTML, CSS, AJAX, JavaScript, Apache Web Server, Linux

**Education:**

* **Bachelor’s Degree in Computer Science & Engineering**

Birla Institute of Technology & Science, India

**References:** Provided upon request…