 **Chaitanya Srinivas Vuyyuri**

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**Professional Summary:**

* Around 7 years of experience in Analysis, Design, Development and Implementation of various web, stand-alone, client-server applications using Python and Django.
* Experience with Cloud Services like Heroku, Google App Engine, Amazon AWS, EC2, S3 etc.
* Hands on experience deploying projects in production and staging environment.
* Worked on various applications using Python integrated IDEs Eclipse, PyCharm, NetBeans and Geany.
* Experience with continuous integration and automation using Jenkins
* Experience with Unit testing/ Test driven Development (TDD), Load Testing
* Proficient in Unit Test Plans (UTP), Integrated Test Plans (ITP) Extensive experience in User Acceptance Testing (UAT).
* Experience in embedded C, C++, Data structures and proprietary RTOS.
* Good Experience with Python web frameworks such as Django, Flask and Pyramid Framework.
* Have work experience with various Python Integrated Development Environments like PyCharm, Geany, Eclipse, Spyder and NetBeans.
* Experienced in developing User Interface using HTML/HTML5, CSS/CSS3, JavaScript, JQuery, JSON, AJAX and XML.
* Experienced in developing applications using Agile Methodologies, Waterfall Methodology and Scrum stories in a python-based environment.
* Have knowledge in relational databases like Oracle SQL and MySQL.
* Worked with Object Oriented concepts like Creating Classes, Inheritance, Constructors, Polymorphism, Encapsulation, Overloading and Overriding.
* Knowledge in Model View Controller (MVC) frameworks like Django, Angular JS, Java Script, JQuery and Node.JS.
* Worked with web-based application development using frameworks like Django and Flask.
* Actively participated in all phases of Software Development Life Cycle.
* Experience in writing SQL, Sub Queries, Stored Procedures, Triggers, Cursors and Functions.
* Executed MYSQL database queries from python using Python-MySQL connector and MySQL dB package to retrieve information.
* Experience in developing applications using amazon web services like EC2, Cloud Search, Elastic Load balancer ELB, S3, Cloud Front. Experience in working with different operating systems like LINUX, UNIX and WINDOWS.
* Experience in handling REST and SOAP Web Services and have Knowledge of Servers like Apache Tomcat and Web Logic.
* Have Experience in List Comprehensions and python inbuilt functions such as Map, Filter and Lambda.
* Well versed with design and development of presentation layer for web application using technologies like HTML, CSS, Bootstrap and JavaScript.
* Experience in using various version control systems like Git, GitHub and SVN.
* Knowledge in writing code using Core Java, C and C++.
* Experience on Object Oriented Programming Concepts in Core Java.
* Having knowledge on deploying applications by using Jenkins that provides Continuous Integration and Continuous Deployment
* Loading, analyzing and extracting data to and from Elastic Search with Python.
* Excellent analytical and problem-solving skills; ability to work on own besides being a valuable and contributing team player.

**Technical Skills:**

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| --- | --- |
| Programming Skills | Python, C, C++, Java. |
| Web Development Skills | HTML5, CSS3, JavaScript, PHP, JSON, jQuery, AJAX and XML. |
| Frameworks | Django and Flask. |
| IDE(s) | Geany, PyCharm, Eclipse, Spyder and NetBeans. |
| Database | Oracle SQL, MySQL, PL/SQL, PostgreSQL. |
| Operating Systems | LINUX, UNIX and WINDOWS. |
| Web Services | REST, SOAP and AWS. |
| Servers | Apache Tomcat and Web Logic. |
| Version Control Tools | Git, GitHub and SVN. |
| Development Process | Waterfall, Agile and Scrum. |
| Bug Tracking Tool | JIRA. |
| Deployment Tool | Heroku and Jenkins. |

**Professional Experience:**

**Client:Optum, Eden Prairie, MN (Oct 2021 – Present)**

**Role:Python Developer**

**Responsibilities:**

* Examined framework determined specifications and had client interaction during requirements specifications.
* Composed the front end of the application using Python, HTML, CSS, AJAX, JSON and JQuery. Worked on backend of the application, essentially utilizing Active Records.
* Designed and developed communication between client and server using Secured Web services such as Django-rest-framework.
* Provide technical support in design and development of embedded systems.
* For reading the data faster integrated Radis-Cache with the Django-rest-framework.
* Developed UI using JavaScript and HTML5/CSS
* Developed Sybase Stored Procedures - extract data from database and load it into the database
* Using Rspec performed Unit testing, Integration Testing, GUI and web application testing.
* Design and developed embedded software for Encore 700 S Fuel Dispenser application using C++, python language.
* Using Tableau Server Building, publishing customized interactive reports and dashboards.
* Experience on Jenkins continuous integration tool for deployment of project.
* Designed and developed Sybase TSQL scripts for data import/export
* Worked on keil 4.0 for programming in embedded c to develop output and load to hardware by Flash magic tool.
* Used frontend frameworks like CSS Bootstrap for development of Web application.
* Involved in performance turning for Sybase queries
* Used MySQL database on simple queries and writing Stored Procedures for normalization and denormalization.
* Developed Sybase Stored procedures for the back end processing of the proposed data base design
* Developed and tested many features for dashboard using Python, Java, Bootstrap, CSS, JavaScript and JQuery.
* Dashboards with quick filters, parameters and sets to handle views more efficiently.
* Worked on rebranding the existing web pages to clients according to the type of deployment.
* Updated the client admin tool to have the new features like support for internalization, support for customer service and etc.
* Optimized the performance of queries with modification in Sybase SQL Queries.
* Using Tableau Desktop developed Tableau visualizations and dashboards.
* Experience in using collections in Python for manipulating and looping through different user defined objects.
* Knowledge of Test-Driven Development (TDD), Pair Programming with PyUnit, Junit and Python Unit-test.
* Documented the design solutions and created stories for client requirements.
* Experience in working with team of developers on python applications for RISK management.
* Improved code reuse and performance by making effective use of various design patterns.

**Environment:** Python, Django, Jenkins, CSS Bootstrap, High Charts JS, MySQL, Mongo DB, Linux, HTML, CSS, JQuery, JavaScript, Apache, Linux, GIT, AWS.

**Client:Blue Yonder, Scottsdale, AZ (May 2020 – Jul 2021)**

**Role:Python Developer**

**Responsibilities:**

* Developed a content management system built from initial stage.
* Handled development and management of front-end user interfaces with help of HTML, CSS, JQuery and JavaScript.
* Developed a portal to manage entities in a content management system using Python and Django.
* Worked on Django for web application development.
* For a consumer-facing website the backend application used is CMS.
* CMS application was an internal application, used by subject matter experts (SME) for curation of data for accuracy.
* CMS involved ingesting data from heterogeneous sources, producing directly renderable data as a RESTful service.
* Collaborated with other developers to handle complicated issues related with deployment of Django based applications.
* Interacted regularly with SMEs to understand requirements and incorporate them into the application.
* Used Haystack for Text Search in the application.
* UI interactions is done with the help of JQuery.
* UsedGIT for Source code control and JIRA for Bug tracking.
* Implemented centralized logging using Elastic Search, Log Stash and Kibana (ELK). Added Redis in between client and server log stash nodes for caching/persistence to enable real-time online updates to the log stash configuration.
* Worked in a Linux environment for implemented the application.
* Written Scripts to establish continuous workflows from different teams providing data.
* Used SQLite database for development and SQL server for production.
* Used pip to handle Module installation and Dependency Management.

**Environment:** Python, Django, HTML, CSS, JavaScript, AJAX, MySQL, JIRA, JQuery, SQLite, SQL Server, Haystack, Virtualenv, pip, GIT, RESTful and Linux.

**Client:Blossomtech Solutions, Hyderabad, India (Jan 2019 – Apr 2020)**

**Role:Python Developer**

**Responsibilities:**

* Developing web applications using Django Framework.
* Have used Pandas library for statistics Analysis.
* For front end applications used HTML, CSS, JavaScript, JQuery, AJAX and JSON.
* Built Single Page Applications (SPA), Responsive Web Design (RWD) UI, Rich Restful Service Applications, and HTML Wireframes using HTML5 Grid Structures/Layouts, CSS3 Media Queries, Ajax, AngularJS and Bootstrap
* Using JavaScript, and hand coding of HTML5 and CSS3developed dynamic e-mails.
* For Numerical analysis used Numpy.
* Automated the existing scripts for performance calculations using Numpy and SQL alchemy.
* Developed, designed and handled a dashboard control panel for customers and Administrators using Django and MySQL.
* Used Python modules such as requests, urllib, Beautiful soup for web crawling.
* Developed GUI using Django for dynamically displaying the test block documentation and other features of Python code using a web browser.
* Built various graphs for business decision making using Python matplotlib library.
* Worked in developing Python/Django based web application, MySQL DB and integrations with 3rd party email, messaging, Storage services.
* Worked in developing a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL.
* Developed and executed User Acceptance Testing portion of test plan.
* Used Amazon Elastic Beanstalk with Amazon EC2 to deploy project into AWS and good experience with AWS storage services (S3).
* Responsible for testing methodologies like unit testing, Integration testing, web application testing.
* Performed user validations on client side as well as server side.
* Created Python Django forms to record data of online users and used PyTest for writing test cases.
* Efficient delivered code based on principles of Test Driven Development (TDD) and continuous integration to keep in line with Agile Software Methodology principles.
* Participated with QA to develop test plans from high-level design documentation.

**Environment:** Python, Django, HTML5, CSS, XML, MySQL, JavaScript, JQuery, CSS Bootstrap, Mongo DB, JavaScript, Eclipse, Git, GitHub, Linux, Shell Scripting

**Client:Cybage, Hyderabad, India (Jun 2017 – Dec 2018)**

**Role:Jr.Python Developer**

**Responsibilities:**

* Designed views and templates with Python Django’s view controller and templating language to create a web interface
* Designed presentation part in JSP (Dynamic content) and HTML (for static pages).
* Design and develop ETL APIs which will automate the data mining in different database sources.
* Deployed project into Amazon web services (AWS) using Amazon elastic bean stalk.
* Use TCP/IP protocol to connect with server which has database available to connect for the ETL tool.
* Developed tools using Python, Shell scripting, XML to automate some of the menial tasks. Able to create scripts for system administration and AWS using languages such as BASH and Python.
* Used JavaScript and JSON to update a portion of a webpage.
* Handled potential points of failure through error handling and communication of failure, Anticipated potential parts of failure (database, communication points, file system errors)
* Troubleshoot the process execution and worked with other team members to correct them.
* Actively worked as a part of team with managers and other staff to meet the goals of the project in the stipulated time.
* Used on Django’s API’s to access database objects Used AWStats and Google Analytics to analyze web traffic.
* Prepared test data files using Linux Shell scripts, Perl script as per the business requirements.
* Responsible for design of the backend request processing system and interface between CPO and Perl scripts from scratch.
* Participated in the development of application architecture and blueprints to define application components, platforms, interfaces and development tools.
* Created Python scripts to automate AWS services which includes web servers, ELB, Cloud Front distribution, database, EC2 and database security groups, S3 bucket and application configuration.
* Started developing with Django and currently developing with Django 1.0.
* Created entire application using Python, Perl, PostgreSQL and Linux.
* Used Wire shark, live http headers, and Fiddler2 debugging proxy to debug the Flash object and help the developer create a functional component.
* Build high-performance streaming REST server in Flask.
* Developed user interface using HTML, CSS, AJAX and JavaScript
* Worked on API’s deploying queries, status codes, requests to retrieve data in json format
* Worked on data exchange from website using xml, java and web services
* Worked on python scripts to parse XML documents and load the data in database
* Coordinated with team members to improve quality assurance and mitigate risks
* Wrote stored procedures in MySQL

**Environment:** Python, .NET, PyQuery, MVW, HTML5, Shell Scripting, JSON, Apache Web Server, SQL, UNIX, Windows, and python libraries such as Numpy, SQLAlchemy, etc.

**Client:Daxinsoft Technologies, Hyderabad, India (Feb 2016 – May 2017)**

**Role:Software Engineer**

**Responsibilities:**

* Worked on CSS Blueprint to create grids and adopt cross browser interactive features and to make the web pages more versatile.
* Analyzed the requirements and designed the flow of task using flow charts and dependently designed flow between pages of the UI.
* Responsible for creating of website functionality with JavaScript, HTML, CSS.
* Involved in producing semantically appropriate, standards compliant markup, and produced Rich User Interfaces
* Involved in developing a user centric market driven site redesign.
* Utilized JavaScript and JQuery for validating the input given to the user interface.
* Utilized various JavaScript and JQuery libraries, AJAX for form validation and other interactive features.
* Created web content and tested all the websites with multiple browsers, operating systems, and screen resolutions.
* Involved in Coding sites according to SEO, and keyword analysis, Social Network and Google Search Appliance (GSA)
* Implemented and maintaining the layouts using CSS2 for all intranet applications, compliant with W3C.

**Environment:** HTML, CSS, DHTML, HTML, XHTML, AJAX, JQuery and JavaScript.

**EDUCATION:**

Bachelor’s in Electronics and Communication from Andhra University, AP, India-2016

Masters in CS from UMKC, May 2022