**Sumanth Deeti**

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**Python Developer**

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**Professional Summary:**

* Over **7+** years of IT Industry experience in designing, developing and maintaining large-scale systems/applications.
* Significant expertise in Python 2.7and 3.x.
* Experienced with full software development life-cycle, architecting scalable platforms, object-oriented programming, database design and agile methodologies
* Expert knowledge of and experience in Object Oriented Design and Programming concepts.
* Experience in writing REST APIs in Python for large-scale applications.
* Experience using Python’s REST framework.
* Significant experience in using Python’s application development frameworks such as Django.
* Experience in real-time configuration and management of MySQL, MongoDB, Cassandra and PostgreSQL databases on a large scale.
* Experienced in developing web-based applications using Python, Django, Flask, XML, CSS, HTML, JavaScript, Angular JS, React JS.
* Worked on several Python packages like NumPy, Beautiful Soup, Asyncio, Pickle, PySide, SciPy, PyTables.
* Experience in Shell Scripting, SQL Server, UNIX and Linux.
* Familiar with JSON based REST Web services and Amazon Web services.
* Has experience with AngularJS Controllers, Custom Directives, Service, Factory, worked Routing, Filters, Isolated scope, validation and dependency injection.
* Performs in cloud computing environments using AWS EC2, S3, AWS RDS, and Redshift.
* Good experience in writing SQL queries and implementing stored procedures, functions, packages, tables, views, cursors, triggers.
* Experience in project deployment using Jenkins and using web services like Amazon Web Services (AWS) EC2, AWS S3 and Cloud watch.
* Adapted functionality in AWS S3 and Redshift to allow incremental loading by adding staging layer and scripting SQL code to integrate staged data with the delta files.
* Significant application development experience in Ubuntu, RedHat and Windows environments.
* Extensive usage of developmental tools such as Eclipse, PyCharm and Sublime Text, version control tools like Git and Apache SVN.
* Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Maven, Python and Bash.
* Working knowledge on RabbitMQ.
* Experience in adopting security best practices during development and production.
* Experience in testing and debugging applications using PyUnit, PyTest and JUnit frameworks.
* Experience in writing test cases from the requirements and writing various test scripts for the applications.
* Conducted data analytics and visualization on data using Python NumPy, Pandas.
* Experience working in a Test-Driven Development environment and software development lifecycles such as Waterfall and Agile (Scrum).
* Experienced in developing Web Services with Python programming language.
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL database.
* Good working Knowledge on Docker.
* Worked in agile and waterfall methodologies with high quality deliverables delivered on-time.
* Maintained detailed documentation and architectural solutions in IT infrastructure and sales systems.

**Technical skills:**

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| **Programming Languages** | Python, C, Java |
| **Web Technologies** | JSON, XML, HTML, CSS, Bootstrap, Angular JS, JavaScript, JQuery, AJAX. |
| **Web services** | SOAP, RESTful |
| **Data bases** | Oracle 10/11g, MySQL, PostgreSQL, NoSQL, SQL Server |
| **IDE’s and tools** | Eclipse, Pycharm, NetBeans, Sublime Text |
| **Frameworks** | Nginx,Django, Flask, AsyncIO, Pyramid |
| **Cloud Platform** | AWS(EC2, S3, CloudWatch, Redshift, RDS) |
| **OS &Environment** | XP, windows, Linux, Unix, Mac OS |
| **Unix Scripting** | Bash, Shell Scripting |
| **Version control** | GitHub, Bitbucket, SVN |
| **Development Methodologies** | Agile, Scrum |

**Professional Experience:**

**Augeo Affinity Marketing, St Paul, MN Jan 2018- Present**

**Full Stack Developer**

**Description:** Givable(http://givable.org) is a charitable giving platform those mission to create an engaged and informed community of lifelong givers. With just one email each weekday, givers learn why two nonprofits need help and simply give to the change they want to see with a single click. Givable is currently available in St. Louis, Missouri.

**Responsibilities:**

* Interacted with the client end-users during requirements gathering sessions.
* Designed front end and backend of the application utilizing Python on Flask and Django Web Frameworks.
* Handled development and management of front end user interfaces with help of HTML, CSS, JQuery and JavaScript.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Designed and developed data management system using MySQL.
* Implemented loggers and exception handling.
* Involved in Developing a Restful API'S service using Python Django framework.
* Worked on Django API's for accessing the database. Implemented the application in a Linux environment.
* Migrated from Python 2.7.x to Python 3.5.
* Utilized SQLite database for development and MySQL for production.
* Build SQL queries for performing various CRUD operations like create, update, read and delete.
* Utilized GIT for Source code control and JIRA for Bug tracking.
* For Documentation used Confluence.
* Analyzed the Business Requirement Documents and made the Technical Specification Documents.
* To prevent, detect and claim the duplicate member entries implemented business logic in Python.
* Re-designed various modules for executing changes and made efficient system.
* Interacted regularly with SMEs to understand requirements and incorporate them into the application.
* Successful migration of the default Django’s database (SQLite) to MySQL to improve efficiency, integrity and security of data.
* Used Python to pull Docker images of analysis tools from Docker hub and containerizing those tools.
* Module installation and Dependency Management is done by pip.
* Used Django configuration to manage URLs and Application Parameters.
* Used Cheddar getter for subscription management and recurring billing.
* Written Python Scripts to parse XML documents and load the data in database.
* Worked with JSON based REST Web Services and Amazon Web Services (AWS).
* Deployments of code changes to the production environment on AWS EC2.
* Implemented the application in Linux environment and comfortable with all its commands.

**Environment:** Python 2.7/3.5,Django 2.0, Flask, MySQL, HTML5, CSS3, JavaScript, Docker, APIs, JIRA, Git, Bitbucket, jQuery, Bootstrap, Webservices(Restful), AWS EC2,SSH,Linux.

**Questar Assessment Inc, Apple Valley, MN Oct 2016- Dec 2017**

**Full Stack Developer**

**Description:** Questar Assessment Inc. is a K–12 assessment solutions provider focused on building a bridge between learning and accountability.The scope of the project is to develop an application for the sales team that generates reports. Built a dashboard to provide stats of customers and sales progress which also helped to analyze the areas of improvement.

**Responsibilities:**

* Analyzed the Business Requirement Documents and created the technical specification documents.
* Responsible for complete SDLC including coordinating proposals, project meetings, code-reviews etc.
* Fully participate in a scrum-based, agile development team.
* Built application logic using Python, Django and PostgreSQL.
* Designed views and templates with Python and Django's view controller and templating language to create an easily accessible interface for users.
* Used Django configuration to manage URLs and application parameters.
* Rewrite existing Python/Django modules to deliver certain format of data.
* Responsible for setting up AngularJS framework for UI development.
* Used transactions data and code in Python (Pandas, NumPy) to understand how users have changed their usage behavior with respect to the sale and various promotional offers.
* Written many programs to parse excel file and process many user data with data validations.
* Deployed applications on AWS by using Elastic Beanstalk.
* Done asyncio single thread executor for all the data , MQTT dump extraction for aws data lake.
* Designing, developing and managing REST APIs utilizing Django’s Rest framework and overlooking the API system.
* Build SQL queries for performing various CRUD operations like create, update, read and delete.
* Used AWS SDK to connect with Amazon SQS for bulk email processing. Closely analyzed the database tables using sequel pro tool of PostgreSQL to resolve integrity issues.
* Used Angular Reactive forms to implement complex forms and performed the validations using Form Builder.
* Design and Development of presentation layer using technologies like HTML, CSS, and JavaScript.
* Used Bootstrap to manage and organize the html page layout.
* Involved in Design, Development, Deployment, Testing, Implementation of the application.
* Created database using PostgreSQL, wrote several queries to extract data from database.
* Used and promoted standard python coding conventions (PEP8).
* Participate in code reviews, automated and functional testing, and other aspects of our quality assurance process.
* Resolved ongoing problems and documented progress of the project.
* Collaborated with teams to convert user feedbacks into improved solutions
* Used Git for version control

**Environment**: Python 3.x, Django 1.9, PostgreSQL, JavaScript, Angular JS,jQuery, AJAX, HTML5, CSS3, Git, PyCharm, AWS EC2.

**BBVA Compass, Birmingham, AL Feb 2015- Aug 2016**

**Python Developer**

**Description:** BBVA Compass offers a full range of innovative, industry-leading financial products and services through several major business units, including Commercial Banking, Retail Banking and Wealth Management. The scope of the project is to build and support authentication and identity management applications to facilitate secure access to BBVA's customer facing systems.

**Responsibilities:**

* Developed web applications in Django Framework's model view control (MVC) architecture.
* Exposure on Multi-Threading factory to distribute learning process back-testing and 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.
* Python/Django based web application, PostgreSQL DB, and integrations with 3rd party email, messaging, storage services.
* Worked on Docker to store data (day-to-day code) into the container.
* Developed a fully automated continuous integration system using Git, Jenkins, MySQL and custom tools developed in Python and Bash
* Designed and managed API system deployment using fast http server and Amazon AWS architecture.
* Used GitHub for Python source code version control, Jenkins for automating the build Docker containers.
* Design and implemented custom scripts.
* Develop consumer-based features and applications using Python, Django, HTML and Test-Driven Development (TDD)
* Have Experience on Ruby with chef Automation tools.
* Rewrite existing Python/Django modules to deliver certain format of data.
* Responsible for tracking and monitoring project status in JIRA (Agile)
* Developed Python web services for processing JSON and interfacing with the Data layer.
* Worked on deployment of project on to Amazon S3.
* Used GIT version control.
* Worked on development of SQL and stored procedures for normalization and renormalization in MYSQL.
* Build SQL queries for performing various CRUD operations like create, update, read and delete.
* Skilled in using Collections in Python for manipulating and looping through different user defined objects.
* Engaged in Design, Development, Deployment, Testing, Implementation of the application.
* Worked in development of applications especially in UNIX environment and familiar with all its commands.

**Environment**: Python 2.7, Django 1.4,HTML5, CSS, XML, MySQL, Script, Angular JS 2.0,jQuery, CSS Bootstrap, Mongo DB, Docker, Git, GitHub, AWS, Linux, Shell Scripting.

**Innovative Technologies, India May 2011– Dec 2014**

**Python developer**

**Description:**

Innovative Technologies private limited deliver software solutions in a manner that materially improves customer experience by applying new and disruptive technology to customer's business situations. Provides an intelligent business decision enabling service designed to grow customer's business and give them the best returns on intelligence.

**Responsibilities:**

* Responsible for using the best technologies to add features to the existing system and services.
* Involved in all aspects of the development process from product inception to scaling in production.
* Responsible for driving software development best practices for the team and, mentoring and developing junior engineers.
* Working in collaboration with project managers and higher management in cross-functional teams within Sales and Account Management, to understand business requirements and develop efficient, elegant approaches to their implementation.
* Writing REST APIs, as part of developing web-based applications for insurance premium calculations, using Django’s REST framework.
* Heavily leveraged Python’s graphics APIs for creating graphics and serialization libraries for encoding data in XML/JSON formats.
* Also involved in writing REST APIs using Django framework for data exchange and business logic implementation.
* Experience in using collections in Python for manipulating and looping through different user defined objects.
* Design and implemented custom Bash scripts for controlling the data flow from the PostgreSQL database.
* Assisted the development team in sending the correct data via query strings using PostgreSQL as the back-end for storing data.
* Used Django configuration to manage URLs and application parameters.
* Responsible for configuring NoSQL databases like Apache Cassandra and Mongo DB to for increasing compatibility with Django.
* Good experience in writing SQL Queries and implementing stored procedures, functions, packages, tables, views, cursors, triggers.
* Responsible for debugging the project monitored on JIRA.
* Performed troubleshooting, fixed and deployed many bug fixes for applications that were a main source of data for both customers and internal customer service team.
* Handled potential points of failure through error handling and communication of failure.
* Risk analysis for potential points of failure (database, communication points and 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.
* Developed and executed User Acceptance Testing portion of test plan.
* Generated Django forms to record data of online users and used PyTest for writing test cases.
* Extensive used of version controlling system like GIT.
* Involved in capturing the requirements for serial functional interface and other software requirements specification document.

**Environment:** Python, Django, Flask, MySQL, Restful APIs, SVN, Unit Test.