

# Geetha Thota

Boston, MA • +1 (351)251-0033 • geetasam257@gmail.com

## Professional Summary

- Having around 5 years of experience as a **Python** Developer with deep understanding of technology trends with expertise in core of complex technologies. Solid experience in Analysis, **Design** and **Development, Testing**, Implementation, production support and maintenance of various **Web** Applications using **Python, Spark, Django, Bottle** framework.
- Experienced in working with various **Python** IDE's using **PyCharm, PySpark, PyScripter, Spyder, PyStudio** and **PyDev** and **Bottle** framework and to deploy **AWS & MS Azure**.
- Hands on Experience in **AWS** like **Amazon EC2, Amazon S3, Amazon Redshift, Amazon EMR** and **Amazon SQS, glue, Athena, lambda**, etc.
- Experienced in developing Web-based Applications using **Python, CSS, HTML, HTML5, CSS3, JavaScript, jQuery, JSON, jQuery UI, XML, Angular JS, Elasticsearch** also involving **Beautiful Soap, NumPy, SciPy, Matplotlib, python-twitter, Pandas Data frame, PySpark, urllib2** libraries.
- Experienced in developing **Web** Services with Python programming language and good knowledge of Web Services with **protocols SOAP, REST**.
- Hands on Experience in **AWS** like **Amazon EC2, Amazon S3, lambda, Amazon Redshift, Amazon EMR, Amazon SQS, CloudFormation, API gateway**, etc.
- Profiled **python** code for **optimization** and memory management and skilled experience in **Python** with using new tools and technical developments (Libraries Used: libraries- **Beautiful Soup, Jasy, NumPy, SciPy, Matplotlib, Pickle, PySide, Pandas Data frame, Bottle** framework, **networkX, urllib2, Pychart, High charts**) to drive improvements throughout entire **SDLC**.
- Experience in **Kafka, Web Services** and writing **Restful APIs**.
- Expertise in **developing** web-based applications using libraries and frameworks like **Bottle, Angular JS, Bootstrap, jQuery, Ruby on Rails, Knockout.js, Node Js, Backbone.js, React JS, D3 JS** and **Require JS**.
- Hands on experience working with **NoSQL** database including **MongoDB, pymongo**, etc.
- Experience in working with **Python ORM** Libraries including **Django ORM, SQLAlchemy**.
- Having working Knowledge of **Amazon AWS S3** and worked extensively on Big Data analytical models developed in Python.
- Hands-on knowledge of software containerization platforms like **Docker** and container **orchestration** tools like **Kubernetes** and **Docker Swarm**.
- Well versed with **Agile** with **SCRUM, Waterfall** Model and Test-driven development methodologies experienced in **installing, configuring, modifying, testing** and **deploying** applications with **Apache**.

## Technical Skills

**Web Technologies:** HTML/HTML5, CSS/CSS3, XML, DOM, AJAX, jQuery, JSON, Bootstrap, Angular JS, , Node Js, React JS.

**Python Libraries/Packages:** Python 3.7/3.6/3.5/3.4/3.3/3.2. NumPy, SciPy, Pickle, PyQT, PySide, PyTables, Data Frames, Pandas, Matplotlib, SQLAlchemy, Urllib2, Beautiful Soup, PyQuery, Sybase.

**Software Frameworks:** Django, Flask, Pyramid, PyJamas, Jython, Web2py, IDE Brackets, WebStorm, PyCharm, PyScripter, Spyder

**Web tools and languages:** HTML, XML, CSS, DHTML, AJAX, ANT, Java Script

**Databases:** Oracle, MS SQL Server, DB2.

**Operating Systems:** Windows 8/XP/Vista, Unix, Linux.

**Tools:** Eclipse, Rational Rose, Dreamweaver, RAD, Net Beans.

**Methodologies:** Waterfall, Rational Unified Process (RUP), Agile (SCRUM), UML.

## Professional Experience

### DOMINO'S PIZZA, CHICAGO, IL

MAY 2022 - PRESENT

#### Python Developer

- Responsible for analyzing various cross-functional, multi-platform applications systems enforcing Python best practices and provide guidance in making long term architectural design decisions.
- Coded model level validation using Python programming with emphasis in web security. Handled Business logics by backend Python programming to achieve optimal results.
- Implemented jQuery to improve the overall usability of the website interface and AJAX functionality to speed up web application.
- Constructed RESTful API's using PHP, Node js, and MySQL/PostgreSQL.
- Designed and developed the application using Python Django and Angular Framework.
- Created new connections through applications for better access to MySQL database and involved in writing SQL & PLSQL - Stored procedures, functions, sequences, triggers, cursors, object types etc.
- Worked on reading and writing multiple data formats like JSON using PySpark.
- Writing REST APIs, as part of developing web-based applications for insurance premium calculations, using Django's REST framework.
- Architected and developed Python and Django for the backend development and front-end application using React and PostgreSQL for database.
- Developed microservices on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
- Designed MongoDB pipeline using pymongo for routing/storing of email bounce handling records.
- Experience in building data dictionary, functions and synonyms for NoSQL (Elasticsearch).
- Creating different S3 buckets and write Lambda to move files from S3 to Redshift.
- Developed and tested many features in an agile environment using Python (PyTest), Django, HTML5, CSS, JavaScript, and Bootstrap.
- Used GIT as Source control repositories with regular code reviews and pull/merge requests.

**Environment:** Python 3.6/3.7, Django 2.0/1.9/1.8, CSS, HTML, Bootstrap, JavaScript, AJAX, JQuery, Pandas, MYSQL, Restful API's, Linux, Servlets, Athena, SCRUM, Agile, Heroku, JIRA, GIT

### CITI BANK, NEW YORK, NY

JUN 2018 – DEC 2021

#### Python Developer

- Involved in entire lifecycle of the projects including Design, Development, and Deployment, Testing and implementation and support.
- Implemented MVC architecture in developing the web application with the help of Django framework.
- Worked on designing, coding and developing the application in Python using Django MVC.
- Built a GC analytic tool using Python, to help clients analyze data and profile risk against a wide spectrum of reinsurance options.
- Developed the required XML Schema documents and implemented the framework for parsing XML documents.
- Involved in designing and developing interactive User Interfaces, usability, web and client/server applications using
- HTML5, CSS3, Bootstrap, JavaScript and JQuery.
- Involved in developing the Angular.JS Meteor framework for the Single Page Application (SPA) development.
- Contributing in the design and creation of RESTful APIs using Python/ Django/ Django Rest Framework and
- Implemented Amazon Web services (AWS) Rest API Gateway using AWS Lambda.
- Used NumPy, Pandas and other libraries to work with large data sets and threading limitations, multi-process architecture.
- Written numerous Django views (class based) and templates for page rendering.
- Used Pandas as API to put the data as time series and tabular format for manipulation and retrieval of data.
- Used Python and Django creating graphics, XML processing, data exchange and business logic implementation.

- Involved in Restful web services to call for POST, PUT, and DELETE and GET methods.
- Used Django evolution and manual SQL modifications were able to modify Django models while retaining all data, while site was in production mode.
- Design and maintain databases using Python and developed Python based API (RESTful Web Service) using Django, SQL Alchemy and PostgreSQL.

**Environment:** Python 3.4/3.5, Django 1.7/1.8, Go language, Shell Scripting, AWS, Athena, Pandas, PyQT, PyQuery, Flash, DOM, JSON, PHP, HTML, CSS, AJAX, JavaScript, Bootstrap, Apache Web Server, MYSQL, GitHub, LINUX, NoSQL, MongoDB, MySQL, SOAP, REST, JQuery.

## NOVARTIS, INDIA

**JUN 2017 – MAY 2018**

### Python Developer

- Used Python, Django and Pyramid frameworks to develop applications and responsible for both back-end programming and front-end functionality using JavaScript, Ajax, Angular.JS, and other technologies.
- Built a new CI pipeline and performed testing and deployment automation with Docker, Jenkins, and Puppet. Redesigned and redeployed the Nagios implementation. Nodes automatically added/removed themselves via Puppet.
- Used AJAX for transmitting JSON data objects between frontend and controllers and wrote Python scripts to parse XML and JSON documents and load the data in database.
- Implemented RESTful Web-Services for sending and receiving the data between multiple systems.
- Developed application service components and configured beans using Spring IoC, creation of Hibernate mapping files and generation of database schema.
- 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.
- Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
- Extensively worked on developing UI components using Angular JS and JSON to interact Restful web services.
- Designed and developed data management system using PostgreSQL and MySQL.
- Set up and maintain CI infrastructure to streamline build process, unit tests, functional tests, integration tests and artifacts deployments.
- Developed build and deployment scripts using Ant and Maven as build tools in Jenkins to move from one environment to other environments.
- Wrote with object-oriented Python, Flask, SQL, Beautiful Soup, httplib2, Jinja2, HTML/CSS, Bootstrap, jQuery, Linux, Sublime Text, GIT.
- Used Ajax for transmitting JSON data objects between frontend and controllers and Worked on configuring TCP/IP, network interface, assigning static routes and hostnames.
- Developed many features for dashboard using Ruby on Rails, Bootstrap, CSS, react and JavaScript (J2EE)

**Environment:** Python 3.3/3.2, Django, Jenkins, Apache, XML, MySQL, MongoDB, REST, CSS, SASS, AJAX, HTML, Shell scripting, Sublime, XHTML, SVC.

## Education

MAY 2018

**Bachelor of Technology | JNTU | Hyderabad, India**