# RangaS

# Python Developer

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**PROFESSIONAL SUMMARY**

**5 yearsof experience** in the field of IT with in Designing, Developing, Testing, and Deployment of various applications and coding using Python, Django and Java.

* Good Experience with **Django and Flask web framework.**
* Proficient in developing web-based applications using **Python**, **Django, Flask, Webapp2, XML, CSS, HTML, DHTML, JavaScript, Bootstrap**.
* Experience in working with Python ORM Libraries including **Django ORM**.
* Experience on working with complex **List Comprehensions** and python inbuilt functions such as **Map, Filter** and **Lambda.**
* Good experience in developing web applications implementing **MVT/MVC** architecture using Django, Flask and Webapp2 web application frameworks.
* Experience with continuous integration and automation using **Jenkins**
* Experience in handling **REST and SOAP Web Services.**
* Developed internal auxiliary web apps using Python Flask framework with CSS3 / HTML5 framework and Working Knowledge of **Pandas, NumPy, SciPy.**
* Experienced in **WAMP** (Windows, Apache, MYSQL, Python/PHP) and **LAMP** (Linux, Apache, MySQL, Python/PHP) Architecture.
* Proficient in developing complex **SQL Queries**, **Stored Procedures**, **Triggers**, **Cursors**, **Functions**, and **Packages** along with performing **DDL** and **DML** operations on the database.
* Experience with **Design**, **code**, and **debug** operations, reporting, data analysis and web applications utilizing **Python**.
* Experience in implementing PEP8 coding standards.
* Experience in working on Application Servers like **WebSphere, WebLogic, Tomcat**, Web Servers like **Apache Server, NGINX** and Integrated Development Environments like **PyCharm, Eclipse.**
* Experience configuring and developing with different Database servers including **MySQL, MSSQL, Oracle and MongoDB**.
* Skilled in writing and reviewing requirements, architecture documents, test plans, design, documents, quality analysis and audits.
* Experienced with full software development life-cycle, object-oriented design, object-oriented programming and database design.
* Experienced with full **Software Development Life Cycle** (SDLC), architecting scalable platforms, object-oriented programming, database design and agile methodologies.
* Good amount of experience in handling errors/exceptions and debugging issues in large scale applications.
* Excellent analytical and problem-solving skills with efficient time management and result oriented attitude.
* Good interpersonal, very hands on attitude and approach, intrusive, Self-determined to assimilate and progress.
* Dedicated to tasks and provide good results and a good team player with strong communication skills.
* Willingness to work in a highly dynamic environment and ready to take up challenges

**EDUCATION**

* **Master of Science: Computer Science GPA: 3.65**

NP University － Fremont, CA, USA

**TECHNICAL SKILLS**

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| **Programming Languages** | Python, SQL, Java, C++, C |
| **Web Technologies** | HTML, CSS, JavaScript, XML, JSON, Bootstrap |
| **Databases** | MS SQL, MySQL, Oracle, PostgreSQL, MongoDB |
| **Deployment Tools** | Heroku, Amazon EC2, Docker |
| **Protocols** | TCP/IP, HTTP, SNMP, SMTP |
| **Methodologies** | Agile and Waterfall |
| **Webserver** | ApacheHTTPwebserver, WebLogic, WebSphereand Apache Tomcat |
| **Frameworks** | Django, Flask |
| **Bug Reporting tools** | Bugzilla, JIRA |

**WORK EXPERIENCE**

**Python developer**

Baker Hughes, Huston, TX **September 2017 to till date**

Baker Hughes, a GE company is the world’s first and only full stream provider of integrated oilfield products, services and digital solutions. Drawing on a storied heritage of invention, BHGE harnesses the passion and experience of its people to enhance productivity across the oil and gas value chain. BHGE helps its customers acquire, transport and refine hydrocarbons more efficiently, productively and safely, with a smaller environmental footprint and at lower cost per barrel.

**Responsibilities:**

* Wrote**Python Scripts** to update the content in database and manipulate files.
* Developed web-based application using **Django** framework with python concepts.
* Generated python **Django forms** to maintain the record of online users.
* Used APIs to access the database.
* Worked on serverside applications with Django using python programming.
* Developed tools to automate some base tasks using python Shell scripting and XML.
* Developed the required **JSON** Schema documents and implemented the framework forparsing XML documents.
* Developed entire frontend and backend modules using python on Django Web  
  Framework.
* Experienced in using advanced **PostgreSQL/MYSQL** features like table partitioning  
  and diverse types of oracle indexing. Backup and Restore experience with PostgreSQL/MYSQL database backups and point in time recovery.  
  Designed the user interactive web pages as the front-end part of the web application  
  using various web technologies like **HTML, CSS and JavaScript**.
* Experience in writing **python scripts** to migrate data from one database to the other  
   UIS system design(python,Object Oriented Design approach, developing various  
  modules/packages/utilities, e.g.: Cryptography - Encryption/Hashing, Foundation  
  Utilities, error/exception management etc.
* Participated in **requirement gathering** and worked closely with the architect indesigningand modeling.
* Issues pertaining to real time data being read from RabbitMQ into **Postgres** and  
  **Cassandra**.
* Experience in Performing theDesign and Code reviews.
* Writing Unit tests for every developed code.

**Environment**Python, Django, REST API, HTML5/CSS, PostgreSQL, MySQL,Linux,GitHub.

**Python Developer**

Anthem,Atlanta GA **October 2016-August2017**

Anthem, Inc. is one of the largest health benefits companies in the United States. Through its affiliated health plans, Anthem companies deliver a number of leading health benefit solutions through a broad portfolio of integrated health care plans and related services, along with a wide range of specialty products such as life and disability insurance benefits, dental, vision, behavioral health benefit services, as well as long term care insurance.

**Responsibilities**:

● Developed views and templates with python and Django view controller and templating  
 language to create a user-friendly website interface.  
● Collect data that introspects the performance of query and update operations on a  
**MongoDB** instance.  
● Managed datasets using **Panda data frames**and **MongoDB**. Queried the databasequeriesusing python  
● Recorded the online users data using python **Django forms** and implemented test caseusing pyunit.  
● Developed the application using the Test-Driven methodology and designed the unit  
tests using python Unit test framework.  
● Involved in working with python open stock APIs.

Creating endpoints to post data and to consume data from sources.  
● Design, develop, and deploy engaging web applications using python.  
● Wrote python code embedded with **JSON** and **XML** to produce **HTTP** GET request,  
parsing HTML data from websites.  
● Wrote python code to simplify lists in python with list comprehension and Python OOP.  
**POSTMAN** for **API** testing. Developed **REST API’s** and created User Modelfor application.

● Developed a fully automated continuous integration system using **Git, Jenkins, Oracle**and custom tools developed in **python**.  
● Responsible for setting up **python REST API** framework using **Django.**  
● Developed web applications in Django Framework model view control (**MVC**)  
architecture.  
● Used python to write data into **JSON** files for testing **Django** Websites. Created scripts  
for data modelling and data import and export.  
● Thorough knowledge in various frontend tools like **HTML, CSS, JavaScript, XML, JSON**.

**Environment:**

Python, HTML5, CSS3, JSON, Apache Web Server, Django, MongoDB, Linux, Oracle, GIT, JIRA.

**Role: Python AT&T,** El Segundo, CA **December2015-Sepember 2016**

AT&T Inc. is an American multinational conglomerate holding company headquartered at Whitacre Tower in Downtown Dallas, Texas.It is the world's largest telecommunications company, the second largest provider of mobile telephone services, and the largest provider of fixed telephone services in the United States through AT&T Communications.

**Responsibilities:**

* Developed Views and Templates with **Flask** view controller and template language to

create a user-friendly website interface.

* Writing end points to post data or consume data from other sources.
* Used Django Database API's to access database objects.
* Implemented user interface guidelines and standards throughout the development and

maintenance of the website using the **HTML, CSS JavaScript**

* 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**.

* Migrated the **Django database** from **SQLite3** to **MySQL** with complete data integrity.
* Performed Unit testing, Integration Testing, GUI and web application testing using

Unit Test Module.

* Worked on **Jenkins** continuous integration tool for deployment of project.
* Experience in project deployment using **Heroku/Jenkins** and using web services like

**Amazon Web Services (AWS) EC2, AWS S3**, **Autoscaling, CloudWatch** and **SNS.**

* Used python scripts to update content in the database and manipulate files.
* Worked on frontend and backend modules using python on **Django Web Framework**.
* Implemented and enhanced **CRUD** operations for the applications using **the MVC**

**(Model View Controller)** architecture of Django framework and python conducting code

reviews.

* Wrote python modules to extract/load asset data from the **MySQL** source database.
* wrote several queries to extract/store data fromdatabase.

**Environment**:Python, MySQL,HTML, CSS, JavaScript,Jenkins, Docker containers, Django, Flask, Heroku, GitHub, Amazon Web Services (AWS) EC2, AWS S3.

**Role: Jr. Software developer**

**Augusta,Bangalore,India june 2014- July 2015**

**Responsibilities**:

* Involved in Designing the Database Schema and writing the complex **SQL queries.**
* Rewrite existing code from C++, Java to Python.
* Designing and establishing the process and mapping the functional requirement to theworkflow process.
* Creating unit test/regression test framework for working/new code.
* Rewrote existing Python modules to deliver certain format of data.
* Designed and developed data management system using MS SQL.
* Responsible for debugging the project monitored on JIRA (Agile).
* Executed and coordinated the installation for the project.
* Worked on web-based reporting system with**HTML, CSS and JavaScript**.
* Involved in Maintenance and Enhancement of the project.
* Created database using **MS SQL**, wrote several queries to extractdata fromdatabase.
* Created specific images using python Imaging Library for the custom images used foreachbook.
* Wrote scripts in python for extracting data from **HTML** file.
* Used Git version control tool to coordinate team-development.
* Effectively communicated with the external vendors to resolve queries.
* Good knowledge on NumPy and SciPy Libraries.
* Handling the day to day issues and fine tuning the applications for enhanced performance.
* Worked in development of applications especially in **Linux** environment and familiar with all its commands.
* Experience in Agile Methodologies and SCRUM Process.

**Environment:**Python, C++, Java, JavaScript, HTML, CSS, MS SQL, GIT, Linux, JIRA.