



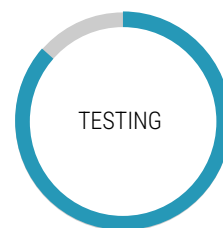
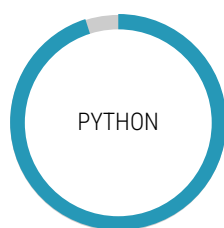
## EDUCATION

Bachelor of Science in  
Computer Science  
JNTUH College of Engineering  
Hyderabad

P R A D E E P  
B O M M I R E D D Y

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## PYTHON DEVELOPER



## PROFESSIONAL SUMMARY

- 7 years of experience in Web/Application Development in analytical programming using Python with skills in analysis, design, development, testing and deploying software applications.
- Solid experience using various Python libraries to speed up development (libraries used: Beautiful Soup, SciPy, Matplotlib, Python-twitter, Panda's data frame, network, urllib2, MySQL dB for database connectivity, JSON libraries).
- Involved in Developing a Restful service using Python Flask framework.
- Accustomed with the following; Plone, Pyramid, Django, Angular PostgreSQL, ZODB, Key Value Stores, CouchDB, Couchbase, Linux, Nginx, Varnish, ReactJS and Odoo.
- Excellent with various Python integrated IDE's such as Sublime Text, PyCharm, Eclipse and NetBeans.
- 2 years of data engineering experience utilizing AWS, Python, Snowflake, and Redshift.
- Expertise in usage of Django Framework for developing web applications.
- Experienced in implementing Puppet, Chef. Worked on Data-Center operation and migration across UNIX and Linux platforms.
- Experience with automated CM and maintained a CI/CD pipeline, deployment tools such as Chef, Puppet, or Ansible.
- Worked with dockers for containerization.
- Experienced in implementing data analytics solutions in AWS (EC2, EMR, S3, CloudWatch, Lambda, CloudTrail, SNS, SES, EBS, CLI, VPC, ELB, IAM, Redshift, RDS, Root53), Google Cloud, Microsoft Azure.
- Experience in Multi-Tier distributed Enterprise applications.
- Extensive experience in system analysis, design, development, and implementation of web based and client/server application using HTML, Angular JS, underscore JS, Node JS, CSS, JavaScript, AJAX, JSP, JDBC, XML, XSLT, Python, Django, PHP.
- Experience in Implementation of MVC/ MVW architecture using Servlet, Django, and RESTful, SOAP web service and SOAPUI.

## PROFESSIONAL EXPERIENCE

**SR. PYTHON DEVELOPER, September 2018 – Present**  
**Wells Fargo. Charlotte, NC**

- Worked on designing, coding and developing the application in Python using Django MVC.



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### PROFESSIONAL EXPERIENCE – continued

- Experience in working with Python ORM Libraries including Django ORM.
- Consumed Restful Webservices where the transmission of data is in JSON format.
- Working with container-based deployments using Docker, working with Docker images, Docker Hub and Docker registries and Kubernetes.
- Developed entire frontend and backend modules using Python on Django Web Framework.
- Designed and Developed REST Webservices to interact with various business sectors and used SOAP protocol for webservices communication.
- Utilized PyUnit, the Python Unit test framework, for all Python applications.
- Involved in designing and deploying multitude applications utilizing almost all of the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling in AWS Cloud Formation.
- Perform the calculation via python functions and spit the result in JSON format back to the Alexa/Google assistant and Chatbot .
- Implemented Data Quality framework using AWS Athena, Snowflake, Airflow and Python.
- Expert in object-oriented programming OOP concepts using Ruby.
- Developed CI/CD system with Jenkins on Kubernetes container environment, utilizing Kubernetes
- Developed and designed an API (RESTful Web Service) for the chatbot integration.
- Designed and developed Machine learning enabled intent-based chatbot (NLP and NLU Tools and Technologies) using Python 3, spaCY, support vector machine and Flask development framework.
- Environment : Python, Django, HTML, CSS, XML, AWS, JavaScript, Angular.js, AJAX, , CI/CD, Webserver, wxPython , matplotlib, NumPy , Chatbot , PyDev, PostgreSQL, Apache, React.JS, PyQt, Node.js, Backbone.js, Bootstrap, Flask, Oracle, PL/SQL, MySQL, MS-SQL, JDBC, Maven, Web Services, SOAP, REST, Ant, RAD, PyCharm, Windows, Linux, Azure.

### SR. PYTHON DEVELOPER, June 2016 – July 2018 CME Group, Chicago, IL

- Developed entire frontend and backend modules using Python on Django Web Framework.
- Designed and Developed REST Webservices to interact with various business sectors and used SOAP protocol for webservices communication.
- Worked on designing, coding and developing the application in Python using Django MVC.
- Involved in converting Hive/SQL queries into Spark transformations using Spark RDDs, Python and Scala.



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## PYTHON DEVELOPER

### PROFESSIONAL EXPERIENCE – continued

- Experience in working with Python ORM Libraries including Django ORM.
- Experience in Text Analytics, developing different Statistical Machine Learning, Data Mining solutions to various business problems and generating data visualizations using R, and Tableau.
- Utilize PyUnit, the Python Unit test framework, for all Python applications.
- Worked on Cloud platform engineering Kubernetes, Spinnaker, Docker, Terraform, Consul, drone Jenkins, Chef, Kitchen. Scheduled, deployed and managed container replicas onto a node cluster using Kubernetes.
- Migrated applications from internal data center to AWS
- Developing a product-level cloud-based architecture in AWS.
- Working on various Integrated Development Environments like PyCharm, Anaconda Spyder.
- Mesos and Kubernetes were used as the best ecosystem to deploy and manage Micro-service.
- Used GitHub UI, Git bash to commit, changes to the repository for maintaining various versions of the agile process.
- Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
- Implemented REST APIs using Python and Django framework.
- Created a Rich Single Page Application using HTML, CSS, JSP, JSON, AngularJS, React.js, Node.js, bootstrap.js, backbone.js.
- Developed web-based applications using Python, Django, XML, CSS, HTML, JavaScript, AngularJS and jQuery.
- Developed front end using Angular.js, React.JS, Node.js, bootstrap.js, backbone.js, JavaScript, where back end is java with REST webservice.
- Worked on WAMP (Windows, Apache, MYSQL, Python/PHP) and LAMP (Linux, Apache, MySQL, Python /PHP) Architecture.
- Environment: Python, Django, HTML, CSS, AWS, Spark, XML, JavaScript, Angular.js, SciPy, Pandas, Machine Learning, Scikit-learn, Kinesis, S3, SQS, Agile, Kubernetes, AWS, Docker, Azure, Scala, AJAX, Java, GitHub, wxPython, matplotlib, NumPy, PyDev, PostgreSQL, React.JS, PyQT, Git, Node.js, PL/SQL, MySQL, MS-SQL, PyCharm.

### PYTHON DEVELOPER, February 2015 – April 2016

#### DealerTrack, New York City, NY

- Developed views and templates with Python and FLASK view controller & Templating language to create a user-friendly website interface.
- Ensured high quality data collection and maintaining the integrity of the data.
- Prediction of Time Series Financial Data using LSTM for Algorithmic Trading by TensorFlow.
- Object Detection for Full Motion Video with TensorFlow.
- Object Detection with Nvidia DIGITS.



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### PROFESSIONAL EXPERIENCE – continued

- Used Informatica's built in version control system for source code management.
- Implemented a CNN (neural network) for detecting invasive animal species using thermal images (TensorFlow).
- Established DevOps protocols, integrated collaborative Git, and deploying fully tested production features.
- Worked on rebranding the existing web pages to clients according to the type of deployment.
- Implemented Docker containers to create images of the applications and dynamically provision slaves to Jenkins CI/CD pipelines.
- Experienced in implementing Model View Control (MVC) architecture using server-side applications like Django, Kafka, Angular . Js, React.js and Flask for developing web applications.
- Developed and tested many features for dashboard using Python and Bootstrap.
- Used Python (NumPy, SciPy, Pandas, Scikit-Learn, Seaborn), and Spark 2.0 (PySpark, MLlib) to develop variety of models and algorithms for analytic purposes.
- Experience in using Scikit-Learn and Stats models in Python for Machine Learning and Data Mining.
- Performed troubleshooting, fixed and deployed many Python bug fixes of the two main applications that were a main source of data for both customers and internal customer service team.
- Environment: Python 3, Django 1.6, React, Angular, AWS, Docker, Ansible, , XML, MySQL, microservices, Pandas, SciPy, AJAX, Flask, Oracle SQL Server, SQL, JavaScript GitHub, PostgreSQL, Python Libraries such as NumPy, SQL Alchemy

### PYTHON DEVELOPER, December 2013 – January 2015

#### GAP Inc, San Francisco, CA

- Usage of advance features like in Python for sharing the information across the applications.
- Used Selenium Library to write fully functioning test automation process that allowed the simulation of submitting different requests from multiple browsers to web application.
- Created tables utilizing PyQtto display customer and policy information and add, delete, update customer records.
- Worked Integration of Amazon Web Services AWS with other applications infrastructure.
- Coded Snowflake data loaders using Python. Reorganized large volumes of data.
- Used Unit Test Python library for testing many Python programs and block of codes.
- Participated in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
- Environment: Python, Django, XML, chef, Java, AngularJS, MySQL, JSON, DHTML, Shell Scripts, lambda, agile, Restful, UNIX and Windows.