**Rajeev Admala  
Sr. Python Developer**  
**Email: rajeevskylamp@gmail.com**

Phone number: 570-503-6903

**Professional Summary:**

* Having 9+ years of diverse professional experience in planning, designing, developing, Architecting and implementation in the area of Amazon Web Services Cloud, **Python** and IT industry.
* Strong expertise in development of web-based applications using **Python, Django, Flask, Dojo, HTML, XML, Angular.JS, CSS, DHTML, JavaScript, JSON** and **jQuery**.
* Worked on several **Python** packages like **NumPy**, **matplotlib, Beautiful Soup, Pickle, PySide, Scipy, wx Python, Py Tables** etc.
* Sound knowledge in spring, **Hibernate**, **RDBMS**, **Web**, **XML**, **Ant/Maven, HTML, Python**, **Shell Scripting**.
* Experience in developing web services (**WSDL, SOAP and REST**) and consuming web services with **Python** programming language.
* Excellent experience with **Python** development under **Linux OS** (**Debian, Ubuntu, SUSELinux, RedHat Linux, Fedora.**
* Good experience in developing web applications implementing Model View Control architecture using **Django, Flask, Python** web application frameworks.
* Extensive experience in developing **PL/SQL** Stored Procedures, Functions, Packages, Cursors, Collections (**Nested tables and Array’s**), Records, Object types and Database Triggers.
* Good knowledge on Cloud and Virtualization environments such as **Azure, AWS, Google** Cloud Engine.
* Expertise in continuous integration and continuous deployment using build tools like **Git, Ant, Maven, and Jenkins, Chef, Puppet, Ansible, Nagios,** and **Docker.**
* Experienced in setting up **EC2** instances, security groups and Setting up databases in **AWS** using **S3**bucket and configuring instance backups to **S3** bucket.
* Performed **S3** buckets creation, policies on **IAM** role based polices, **MFA** and customizing the **JSON** template.
* Provided support to Application and database team, troubleshoot issues encountered while providing support, contact **AWS** Support whenever necessary.
* Configured and automated various **AWS** services like **EC2** and **S3** using Boto (**Python** sdk).
* Develop **AWS** Cloud Formation templates (in **JSON**) to automate infrastructure deployments.
* Experience in Building **S3** buckets and managed policies for **S3** buckets and used **S3** bucket and Glacier for storage and backup on **AWS**.
* Deploying application in Docker Container for custom environment and hosting in Elastic Beanstalk.
* Importing volumes, launching **EC2**, **RDS**, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
* Migrated **SQL** server Databases to new Azure cloud servers. Experience in Backup, Restoring and Moving of Databases; Configuring **SQL** Server Agent Jobs and designing Database Security.
* Having experience in Agile Methodologies, Scrum stories and sprints experience in a **Python** based environment and Excel data extracts.

**Technical Skills:**

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| --- | --- |
| **Operating Systems** | Unix, **Linux**, Windows and Mac |
| **Programming Languages** | **Python**, PL/**SQL, SQL, HTML, CSS, JS.** |
| **Databases** | Oracle 10/11g, My**SQL**, **SQL** Server and **PostgreSQL** |
| **Big data Ecosystems:** | Hadoop, Hive, Scala, Cassandra |
| **Tools** | Intellij, PyCharm, FileZillaand TOAD |
| **Integration Tools** | **Jenkins** and Web Builder |
| **Version Control** | **Git**Hub and SVN |
| **Defect Tracking** | JIRA, **Git**, and Version One |
| **Cloud** | VPC creation, **EC2** instance, **S3** buckets, **RDS** instances, Amazon command line, cloud Front, IAM, creating security groups, managing **S3** object lifecycle, creating CDN, implementing **S3** security & Encryption, Route53, working with databases and DNS, Using bootstrap scripts, **AWSEC2** and **S3** |

**Education**: Bachelor’s in Computer Science & Engineering, JNTU - 2009

**Professional Experience:**

**Regions Bank, Birmingham, AL Sep 2017 to Present**

**Sr. Python Developer**

**Description:** Regions is dedicated to taking appropriate steps to safeguard and protect private and personally identifiable information you submit. My intention is to be the in charge of the development of banking and financial software which requires a mathematical function to help their customers optimize different financial processes.

**Responsibilities:**

* Developed a fully automated continuous integration system using **Git**, **Gerrit**, **Jenkins**, **MySQL** and custom tools developed in **Python** and Bash.
* Managed, developed and designed a dashboard control panel for customers and Administrators using **Django**, **Oracle DB**, **PostgreSQL** and VMWare API calls.
* Extensively used **Python** modules such as requests, urllib, urllib 2 for web crawling.
* Developed the required **XML** Schema documents and implemented the framework for parsing **XML** documents
* Written with object-oriented **Python**, **Flask**, **SQL**, **Beautiful Soup, httplib2, Jinja2,HTML**/**CSS**, **Bootstrap, jQuery**, **Linux**, **Sublime Text**, **Git**.
* Experience in using various version control systems like **Git**, CVS, **Git**Hub, Heroku and Amazon **EC2**.
* Part of team implementing REST API's in **Python** using micro-framework like **Flask** with **SQLAlchemy** in the backend for management of data centre resources on which OpenStack would be deployed.
* Worked on **Java**Script MVC Framework like **Angular.js**.
* Developed internal auxiliary web apps using **Python** **Flask** framework with **CSS** / **HTML** framework.
* Created entire application using **Python**, **Django**, **MySQL** and **Linux**.
* Involved in Web-services backend development using **Python** (CherryPy, **Django**, **SQLAlchemy**).
* Utilized PyUnit the **Python** unit test framework, for all **Python** applications.
* Managed, developed, and designed a dashboard control panel for customers and Administrators using **Django**, **Oracle DB**, **PostgreSQL**, and VMWare API calls.
* Worked on **HTML5**, CS**S3**, **Java**Script, **AngularJS**, **HTML5**, **Git**, **REST API, Mongo DB**.
* Developed views and templates with **Python** and **Django**'s view controller and templating language to create a user-friendly website interface.
* Managed large datasets using **Pandas API** ecosystem to analyse the different segments of customers based on Location.
* Integrated**AWS** **DynamoDB** using **AWS lambda** to store the values the items and backup the **DynamoDB** streams.
* Built Continuous Integration environment (**Jenkins**, **Nexus**) and Continuous delivery environment (puppet).
* Automate operations processes using lambda, CloudWatch Events, Schedules
* Implemented Automated Application Deployment using **Puppet**.
* Implemented Junit test runner class to call test cases in **Cucumber**.
* Working closely with Web Administrators to understand, participate, and experience the technical architect for web sites such as **Apache,WebSphere**; and deploying J2EE Applications to these environments
* Recommended build management, defect management development process flow.

**Environment: Python**, **Git**, CVS, **Git**Hub, **Lambda**, Heroku, Amazon **EC2Django** 1.5, Selenium IDE, My**SQL**, Zope, **Angular.js**, Pandas, Flash, PyUnit, Open Stack, **HTML**, **CSS**, **JQuery**, **Java**Script, Apache, Jira, **Linux**, **Git**, Cassandra, Windows, **Linux**.

**Samsonite, Mansfield, MA Jul 2016 to Aug 2017  
Sr. Python Developer**

**Description:** Samsonite is the world’s leading luggage brand with an extensive legacy in trendsetting travel solutions. Renowned for breakthrough research, development and its commitment to innovation, Samsonite has since its inception excelled in a number of industry firsts, including the exclusive use of the revolutionary Curv® material in the luggage arena. Samsonite offers an extensive range of travel, business, kids, casual and personal accessory products to help travellers journey further, with ever lighter and stronger products.

**Responsibilities:**

* Involved in the architectural design reviews, Analysing, reviewing business, functional, high-level technical requirements, and migration process in agile environment.
* Designing and deploying scalable, highly available, and fault tolerant systems on **AWS** and developed programs using **Python**, Shell, **JavaScripts** and CI tools like **Jenkins**, **Maven** build tool and IAM roles, VPC subnets, NACL and SGs for **EC2** instances and Restful API's developed for **HTML5** applications.
* Configuring IAM roles for **EC2** instances in **ELB** and assign them policies granting specific level access to **S3** buckets by customizing **JSON** template designed Stacks using Amazon Cloud Formation templates to launch Infrastructure, Used Code Commit to host secure, scalable private **Git** repositories.
* Utilized **Python**, **Django**, **jQuery** to design server applications and client interfaces.
* Launching Amazon **EC2** Cloud Instances using Amazon Images (**Linux**/**Ubuntu**) and Configuring launched instances with respect to specific applications.
* Managed continuous maintenance and troubleshooting of **Python** **Django** projects.
* Build application and database servers using **AWSEC2** and create AMIs as well as use **RDS** for **Oracle DB**.
* Worked on **Amazon Kinesis** to process and analyse streaming data with standard **SQL**.
* Designed and maintained databases using Python and developed **Python** based API (RESTful Web Service) using **Flask** and **PostgreSQL**.
* Create and Configured the CI/CD pipeline for deploying Micro-Services and Lambda functions using Jenkins.
* Integrated **GIT** into **Jenkins** to automate the code checkout process.
* Configuring the check for monitoring the devices like web servers, routers, modems, switches, firewalls, application servers, load balancers and other servers.
* Experienced in using advanced **PostgreSQL**/**MYSQL** features like table partitioning and different types of oracle indexing. Backup and Restore experience with **PostgreSQL**/MY**SQL** database backups and point in time recovery.
* Designed and implemented a snowflake -schema Data Warehouse in **SQL** Server.
* Developing modules in **Python** and performing CRUD operations in **MongoDB**.
* Deployed and configured **Git** repositories with branching, tagging, and notifications.
* Provisioned **Lambda** for **RDS** instances for event-based calls to **MySQL DB** those configured with VPC.

**Environment: AWS** (**EC2**, **S3**, Cloud Watch, **RDS**, ECS, **Lambda**, Elastic ache, IAM), **Python**, **Django**, Shell, **Jenkins**, **Maven**, Ansible, **Git**Hub, CloudTrail, DB2, **Flask**, **Django** MS Access, Tomcat, Route 53, Apache, IIS, UNIX, **Linux**, HP-UX, Solaris, and Windows NT/2000/XP, **Ubuntu.**

**Sherwin Williams, Minneapolis, MN May 2015 to Jun 2016**

**Sr. Python Developer**

**Description**: Responsible for Business Development, Solution Design, and Managing Service partners, Lead Generation, Proposal Development, and Develop BOM &amp; SOW on Site Meeting, BOM, Managing POCs, and Training Delivery. Market Intelligence, Customer Acquisition, developing new products and solutions, Development using **Python**/**Django**, **HTML**/**CSS**, **Java**Script, Database modelling using **PostgreSQL**.

**Responsibilities**:

* Involved in complete SDLC of the project and Started with the preparation, architecting of the high level and detailed design documents and VPC is created for instances using Subnets alongside SGs and Network ACLs on UNIX/ **LINUX** OS in Agile environments.
* Used **Django** APIs for database access.
* Involved in writing application level code to interact with APIs, Web Services using **JSON**.
* Managing and troubleshooting of **Python Django** and **Flask** projects.
* Involved in deploying systems on Amazon Web Services Infrastructure services **EC2**, **S3**, **RDS**, **SQS**, Cloud formation.
* Using Amazon **SQS** to queue up work to run asynchronously on distributed Amazon **EC2** nodes.
* Worked with networking team in understanding the limitations of firewall, domain controllers, load balancers and switches.
* Used **HTML**, **CSS**, **jQuery**, **JSON** and **JavaScript** for front end applications.
* Created outstanding '**MySQL** failover' **Linux** OS bash scripts encapsulating logic of failover in the -execute-before option, performed masterpiece tuning of various **SQL** queries after analysing join costs.
* Handled operations and maintenance support for **AWS** cloud resources which includes launching, maintaining and troubleshooting **EC2** instances, and **S3** buckets, **Virtual Private Clouds (VPC), Elastic Load Balancers (ELB) and Relational Database Services** (**RDS**).
* Involved in building database Model, APIs and Views utilizing **Python**, in order to build an interactive web-based solution.
* Developed Merge jobs in **Python** to extract and load data into My**SQL** database.

**Environment: Python**, **Django**, **XML**, **Java**, Apache, **CSS**, My**SQL**, **JSON**, D**HTML**, **HTML**, **Java**Script, Shell Scripts, agile, Restful, UNIX and Windows.

**Citi Group, TX Sep2013 to Apr 2015**

**Python Developer**

**Description**: Citi Group is an American bank holding company specializing in credit cards, home loans, auto loans, banking and savings products. Worked on varies **Python** Modules and packages, Using **Django** MVC framework to develop the Web Application, Database modelling and design.

**Responsibilities:**

* Created a portable fully automated test tool, allowing 24/7 integration support for two development sites around the world and decreasing code turnaround time from 4 hours to 1 hour.
* Automated the daily and weekly build process to allow us to build daily builds twice a day for faster turnaround time for submitted code changes.
* Developed a fully automated continuous integration system using **Git**, **Jenkins**, My**SQL** and custom tools developed in **Python** and Bash.
* Built Web pages that are more user-interactive using AJAX, **Java**Script, and ReactJS. Implemented a review process in integration automation using Review Board and Gerrit that eliminated the need for a 5 hour per week daily approval meeting
* Played a key role in a department wide transition from Subversion to **Git**, which resulted in an increase in efficiency for the development community.
* Developed a mail script that extracts code defects data per component for a daily report to drive reducing defects in the code base.
* Created modern, **REST APIs** from existing information assets.
* Designed the UI using **HTML5**, **Angular JS, J-Query** and **CSS**.
* Deploying, managing, and operating scale, highly available, and fault tolerant systems to **AWS**.
* Designed and maintained databases using **Python** and developed **Python** based API (RESTful Web Service) using **Flask**, **SQLAlchemy** and **PostgreSQL**.

**Environment**: **Python**, Kafka, **JSON**, **Git**Hub, **LINUX**, **HTML**, **CSS**, **Java** Script, ReactJS, **MySQL**.

**Wells Fargo – New York, NY Nov 2011 to Aug 2013**

**Python Developer**

**Description:** Wells Fargo & Company, incorporated on January 24, 1929, is a **bank** holding company. The Company is a diversified financial services company. The Company has three operating segments: Community Banking, Wholesale Banking, and Wealth and Investment Management.  
**Responsibilities:**

* Developed the presentation layer using HTML, CSS, JavaScript, jQuery and AJAX and Used jQuery libraries for all client-side JavaScript manipulations.
* Exposure on Multi-Threading factory to distribute learning process back-testing and the 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.
* Lock mechanisms were implemented, and the functionality of multithreading has been used.
* Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash.
* Experience in managing MongoDB environment from availability, performance and scalability perspectives.
* Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, Oracle DB, PostgreSQL, and VMWare API calls.
* Extensively used python modules such as requests, urllib, urllib2 for web crawling.
* Implemented configuration changes for data models.
* Used Pandas library for statistics Analysis &Numpy for Numerical analysis.
* Managed large datasets using Panda data frames and MySQL.
* Handled potential points of failure through error handling and communication of failure.
* Developed GUI using webapp2 for dynamically displaying the test block documentation and other features of python code using a web browser and Responsible for user validations on client side as well as server side.
* Automated the existing scripts for performance calculations using Numpy and sqlalchemy.
* Interacted with QA to develop test plans from high-level design documentation.
* Involved in developing web applications using Django Framework to implement the model view control architecture.
* Involved in Developing a Restful service using Python Flask framework.
* Created entire application using Python, Django, MySQL and Linux.

**Environment:**  Python 2.7, Django 1.8, CSS, HTML, JavaScript, jQuery, webbapp2, AJAX, MYSQL, Linux, Rest, Heroku, GIT, urllib, urllib2, Oracle DB, MongoDB, PostgreSQL, and VMWare API.

**Vantage Technologies – Hyderabad, Telangana Mar 2009 to Oct 2011   
Python Developer**  
  
**Description:** Vantage Technologies Limited is an information, communication and technology services company which is led by a strong management team and knowledgeable IT knowledge workers with experience in various areas of the information and communication technology (ICT) industry covering hardware, software and IT services to enable organizations gain the highest strategic, financial, operational, and organizational benefits.

**Responsibilities:**

* Followed Agile Methodologies to manage full life-cycle development of the project.
* Developed views and templates with **Python** and **Django**'s view controller and templating language to create a user-friendly website interface.
* Worked on large-scale, high-traffic **Python** web applications to define and implement new features, enhance core functionality, and integrate with other platforms and services.
* Installation, configuring, upgrading, migrating, and patching of **DB2, Oracle**, and **SQL** Server.
* Expertise in establishing database connections for **Python** by configuring packages like **MySQL**- **Python**.
* Handled potential points of failure through error handling and communication of failure.
* 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.
* Worked on installing and setting up the channels by using **Django**. Used **Java**Script and **JSON** to update a portion of a webpage.
* 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.
* Deployed the project into Heroku using **GIT** version control system.

**Environment: Python** 2.7, **Django** 1.4, **HTML**5, **CSS**, **XML**, My**SQL**, **Java**Script, Angular JS, Bugzilla, **jQuery**, **CSS** Bootstrap, Mongo DB, MS **SQL** Server, Eclipse, **Git**, **Git**Hub, **Linux**, Shell Scripting.