

Name : XXXXXXXXXXXXXXXX

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PROFESSIONAL SUMMARY:

- 7+ years of professional IT industry experience as Python Developer and AWS Cloud Native Developer by using Python scripting.
- Experience in full Software Development Lifecycle (SLDC) starting from requirements analysis, design, development, testing, maintenance and enhancement & production support.
- Experienced in developing Web Services with Python Programming Language.
- Proficient in AWS Cloud platform and its features which includes EC2, VPC, EBS, RDS, Lambda, S3 and IAM Roles and policies.
- Involved in deployment of AWS EC2 instances, provisioning on AWS environments and implementation of security group.
- Utilized AWS CloudWatch to monitor environment for operational & performance metrics during load testing.
- Set-up databases in AWS using RDS, storage using S3 bucket and configuring instance backups to S3 bucket.
- Experienced using various monitoring solutions like CloudWatch, Data Dog & Splunk.
- Experience with various packages of Python such as NumPy, SciPy, Matplotlib, Seaborn, Pandas, Boto3.
- Created different test plans, scenarios, and test cases as the part of unit and integration testing to satisfy all the functional and technical requirements.
- Experience in deployment of web applications to the Amazon Web Services (AWS) Cloud platform while utilizing its services such as EC2, Elastic Beanstalk, ECS, Lambda, S3, EBS, DynamoDB, ELB, VPC, CloudFront, CloudFormation, CloudTrail, Command Line Interface (CLI)
- Experience in the development of Python functions for AWS Lambda utilizing S3 triggers to automate workflow.
- Experience in using Docker and Amazon Web Services (AWS) infrastructure with automation and configuration management tool such as Ansible.
- Used Node.js on server side to install necessary packages into the application.
- Worked with IAM service creating new IAM users & groups, defining roles and policies and identity providers.
- Experience in Job scheduling, batch-job scheduling, process control, forking and cloning of jobs and checking the status of the jobs using shell scripting.
- Excellent analytical and critical thinking skills while being valuable and contributing team.

BUSINESS EXPERIENCE:

Capital One, Richmond, VA

Mar 2021 to Present

Python/AWS Engineer

- Managed a continuous integration and deployment methodology for server-based technologies.
- Worked alongside architecture and engineering teams to design and implement any scalable software services.
- Stayed current with new technology options and vendor products, evaluating which ones would be a good fit for the company.
- Overseen pre-production acceptance testing to ensure the high quality of an application performance.
- Deployed, automated, managed, and maintained various AWS cloud-based services in both QA and PROD environment system.
- Developed the application that automatically redirects the traffic from one region to another when a regional isolation event occurs.
- Involved in debugging applications which are tracked in JIRA.
- Involved in deployment of AWS EC2 instances, provisioning on AWS environments and implementation of security group.
- Actively participated in several POC's where I must closely work with our clients and helped them test our application in their different AWS environments.
- Successfully able to deploy our application into AWS using various TERRAFORM Modules that are required.
- Experienced working on different IDE's like VSCode & Pycharm.
- Worked closely with different types of ROUTE53 Records like Geo, Simple, failover and weighted type records.
- Designed an autonomous bot that quickly responds to users with appropriate answers regarding remediation issues and integrated the bot to local communication channel.
- Worked as a part of a cross-functional team to ensure configuration management and app performance.
- Implemented continuous integration/continuous delivery (CI/CD) pipelines when necessary.

Environment: Python, Postman, JIRA, Boto3, Jenkins, Docker, Terraform, AWS Lambda, AWS Route53, AWS EC2, AWS IAM

Capital One, Plano, TX
Python Developer

Jan 2020 to Feb 2021

- Integrated various Lambda functions into AWS with sole purpose of finding vulnerabilities in containers and images.
- Design and developed an entire module of architecture in Step Function that enriches the data received from Data Dog API.
- Analyzed all the vulnerability data received from Qualys API for a period interval starting from range of 24 hrs to a maximum period of 30 days.
- Gathered all the required information from Qualys based on unique ASV and differentiated the vulnerabilities based on their severity levels.
- Developed a separate documentation with all the vulnerability findings and proposed best solutions to remediate the vulnerabilities.
- Consumed and utilized the data from Qualys API along with ServiceNow API regarding the vulnerability information from various docker images/containers, non-cloud assets and write into NoSQL cache database.
- Designed a Qualys Jenkin plugin using CI/CD pipeline and made several builds to ensure that there are no latency issues in response time.
- Create test plans and test cases and execute manual (and create automated) test cases, report and track issues in ticketing systems, and verify fixes.
- Understand and work on Component Integration Testing, Interface Testing, System Integration testing and End to End Integration Testing
- With Capital One Vault Secrets I have encrypted and stored the data regarding sensitive information like user credentials and passwords.
- Involved in deployment of AWS EC2 instances, provisioning on AWS environments and implementation of security group.
- Integrated the SONAR analysis and Erato code scans within the Jenkins file to find the compliance and security issues of the source code.

Environment: Python, HTML, Service Now, Postman, DataDog, JSON, XML, JIRA, Boto3, Jenkins, Docker, Lambda

Whole Foods Market, TX
AWS/Python developer

Oct 2018 to Dec 2019

- Implementation of Model View Controller (MVC) architecture-based web applications using server-side applications such as Django and Flask.
- Set up Python REST API framework using Django.
- Worked on various libraries of Python namely Pandas, NumPy, Matplotlib, and Seaborn
- Extensively utilized advanced python functions such as Lambda, Map, Filter, and Reduce in code development to minimize compile time.

- Utilized Python and Django to connect with jQuery UI to assist with storage management.
- Used Kubernetes to manage containerized applications using its nodes, Config Maps, Selector, Services and deployed application containers as Pods.
- Worked with AWS CLI setup and usage on AWS SDK (Boto3)
- Worked on AWS step functions for design, development and compilation of serverless workflows which utilize various services of AWS to run as rich-featured applications.
- Involved in deployment of AWS EC2 instances, provisioning on AWS environments and implementation of security group.
- Closely interacted with the chief architect, business managers, quality assurance managers as well as other team members on project requirements, design, and implementation issues.

Environment: Python, Django, HTML, CSS, JSON, XML, JIRA, Boto3, Restful API, SQL, Jenkins, Docker, Kubernetes, Lambda

Adidas, OR

July 2017 – Sept 2018

AWS / Python developer

- Added support for Amazon Web Services (AWS) S3 and RDS to host static/media files and the database into Amazon cloud.
- Designed EC2 instance architecture to meet high availability application architecture and security parameters.
- Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security group, Auto Scaling and RDS in the cloud formation JSON templates.
- Created Python scripts to totally automate AWS services which includes web services, ELB, CloudFront distribution database, EC2, S3 and application configuration.
- Designed AWS Cloud formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of web applications and database templates.
- Built Lambda functions to access AWS services and send notifications when S3 buckets are updated.
- Implemented server less architecture using API gateway, Lambda, and Dynamo DB and deployed AWS Lambda code from Amazon S3 buckets.
- Utilized AWS Step functions for application backup on large-scale, distributed systems which use multiple AWS services through custom Lambda functions rather than native backup services.
- Performed API testing by utilizing Postman tool for various request methods such as GET, POST, PUT, and DELETE on each URL to check responses and error handling.

Environment: Python, Django, Postman, EC2, ELB, Auto-Scaling, IAM, EBS, AMI, RDS, S3, Lambda

First Data Corporation, GA

April 2016 – June 2017

Python developer

- Used Django Database API's to access database objects.
- Developed tools using Python, Shell Scripting, XML to automate menial tasks.
- Created PyUnit test scripts and used for unit testing.
- Automated data movements using Python Scripts. Involved in splitting, validating and processing of files.
- Managed relational database applications with UI designing services and Django Framework.
- Created and designed web pages with Django framework and Django templates.
- Automated the existing scripts for performance calculations using NumPy, Scipy and SQLAlchemy.
- Developed web applications in Django framework model view controller (MVC) architecture.
- Connected to databases and application servers using Django framework Object Relational Mappers (ORM).
- Developed JSON-based RESTful web services using Python and Django to retrieve and save data.
- Designed and created backend data access modules using SQL.
- Responsible for coordination and implementation for software builds and go-live.

Environment: Python, Django, HTML, CSS, SQL, SQLAlchemy, Numpy, matplotlib, PyUnit.

Karvy Capital LTD, India

Aug 2014 – Dec 2015

Python Developer

- Developed Business Logic using Python on Django Web Framework.
- Built views and templates with python and Django's view controller and templating language to create a user-friendly website interface.
- Developed a fully automated continuous integration system using Git, Jenkins, MySQL and custom tools developed in Python.
- Created PHP/MySQL back-end for data entry from Flash.
- Involved in writing application-level code to interact with APIs, Web Services using JSON.
- Managed relational database applications with UI designing services and Django Framework.
- Created a RESTful API server with Django REST API framework.
- Created Data tables utilizing PyQt to display customer and policy information and add, delete, update customer records.
- Designing and developing interactive user interfaces, usability, web and client/server applications using HTML, CSS.

Environment: Python, GIT, Jenkins, RESTful API's, Django, HTML, CSS.