

Didiksha Talwaniya

SENIOR SOFTWARE ENGINEER

An Experienced Python Developer seeking to use excellent teamwork skills and programming knowledge of Python, Pandas, Django, NumPy, Django Rest Framework, and AWS and Its services. Strong analytical and quantitative skills and the ability to analyze patterns and trends in large data sets. Also worked in other technology stack such as Core Java, SAP, Winshuttle and Microsoft SQL Server within development and production environment.

Automated various processes using python programming language.

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EXPERIENCE

Senior Software Engineer

SentioVR (Product Based) *August 2023 – Present*

Senior Software Engineer

Java R&D Pvt (Ltd.) *April 2022 – August 2023*

Software Engineer

Yash Technologies Pvt (Ltd.) *Feb 2019 – April 2022*

- Skilled IT professional with 5+ Years of experience in Analysis, Design, Development, Deployment in Business Intelligence application.
- Strong in design and integration with intuitive problem-solving skills. Passionate about implementing and launching new projects.
- Ability to translate business requirements into technical solutions.

EDUCATION

Bachelor of Engineering

Institute of Engineering and Technology Indore, DAV *Jun 2015 - Jul 2019*

PROJECTS

Web Server Migration

Java Developer *Jul 2019 - Apr 2020*

Client: Caterpillar, USA (Company: Yash Technologies)

Description: This project aims at smooth running of Application from one server to another (https to OpenShift server). This involves migration of multiple application with data management and error handling.

Environment: OpenShift Environment

Responsibilities:

- Deployment of Applications on OpenShift Server from HTTP Server.
- Open Shift is a family of containerization software developed by Red Hat. Its flagship product is the Open Shift Container Platform – an on-premises platform as a service built around Docker containers orchestrated.
- In this we made changes in https file such as login config, rewrite statements and include statements and used proxy balancer (The balancer supports stickiness. When a request is proxied to some back-end, then all

following requests from the same user should be proxied to the same back-end).

- Upload these files using rsync. And updated the SAN of application.
- After Migration final testing is done by DNS Cutover in which all performance, IP Address, SAN Certificates, error logs and access logs are verified.

Data Migration

Python Developer *Jul 2020 - Feb 2021*

Client: CommScope, USA (Company: Yash Technologies)

Description: This project aims at smooth running of production jobs and ETL loads for the timely creation of reports by the reporting team and consequent use of those reports by the users for effective decision making.

Environment: Python, Data Service Designer, SQL server 2014, Windows, Jupyter Notebook, Agile, GitHub.

Responsibilities:

- Created and Executed SQL query to get desired results. Developed Python scripts where I used NumPy library for the Numeric data Management in the process of Data Migration.
- Developed data quality portal using Python scripting, increasing data quality by 30%
- Created, Identified, Designed and Updated different jobs and done the necessary code modifications.
- Created reports using Information Design Tool for production readiness.
- Created, assigned, and tracked stories on Jira and Used GitHub as Repository Server.

SBD Data Migration

Python Developer *Mar 2021 - Dec 2021*

Client: SBD Stanley Black Dracker

Description: This project aims at migration of data, development of winshuttle script and load the data.

Environment: Winshuttle Transection, Jupyter Notebook, Python, Agile, GitHub.

Responsibilities:

- Created the different Transection scripts to update and load the data into the SAP system.
- Developed highly scalable Python scripts. Library Pandas for Data Manipulation and NumPy to perform variety of mathematical operations on arrays. Also used functions in domain of linear algebra and matrices.
- Built a web scraper using Beautiful Soup to extract data from various websites. Used bs4 to parse HTML and extract the relevant information.
- Built a script to validate and format phone numbers using phonenumbers. Used the library to ensure that phone numbers were properly formatted and valid.
- Integrated the Scraper API SDK into a web scraper to bypass anti-scraping measures and retrieve data from websites
- Developed a file management tool using pathlib2 to navigate and manipulate files and directories.
- Developed shell scripting and Python programs to automate the data flow on day-to-day tasks
- Created, assigned, and tracked stories on Jira and used GitHub as Repository server.

Customer Engineer CAE

Python Developer *June 2022 - November 2022*

Client: Viasat, USA (Company: Java R&D)

Description: Responsible for Developing the Python scripts for deployment of different lambdas for the different operations and created API's.

Environment: Jupyter Notebook, Python, Scala, AWS cloud platform software (EC2, ECS, Lambda – Important, ELB, Compute Optimizer and AWS Lambda (Serverless Computing), AWS Step Functions, AWS Application Load Balancer, AWS Rules Engine, AWS RDS, AWS Cloud Formation, MLOps environments (EMR, S3, and Sage Maker),, DBeaver, SQL databases (SQL Server, PostgreSQL, S3, MongoDB), JSON, REST API's.

Responsibilities:

- Developing a sophisticated computational customer acquisition decision system.
- Created an API client using the requests library to make HTTP requests and retrieve data from a third-party API.
- Developed a script to automate the creation and management of AWS resources using the boto3 library.
- Responsible for the end-to-end software development lifecycle.
- Developed Microservices and a web application using Flask and MongoDB as the database. Utilized pymongo to interact with the database and perform CRUD operations on the data.
- Developed high-quality, secure, scalable software solutions based on technical requirements and designed artifacts within the expected time and budget.
- Worked on a team to develop different Django API's, build a Django web application that used PostgreSQL as the database. Utilized psycopg2 to interact with the database and perform queries on the data.
- Built a web automation tool using Selenium to perform automated tasks on websites. Used the library to interact with web pages and perform actions such as clicking buttons and filling out forms.
- Built a location-based application using geopy to retrieve geographical information and perform geocoding and reverse geocoding.
- Developed a script to automate SSH connections using paramiko. Used the library to remotely execute commands on a server and retrieve data.
- Applied well-adapted software design principles to develop and incorporate sophisticated models and algorithms engineered by a multi-functional team to deploy a production decision system for global retail acquisitions.
- Collaborated with data scientists, and machine learning engineers to deploy an innovative decision system that relies on complex computational algorithms.
- Results will be a robust, highly scalable, resilient distributed operating system that integrates cloud-based technologies.
- Developed, modified, and implemented software test plans, automated scripts, and programs for testing.
- Worked closely in agile development environment JIRA to build and maintain cloud software and infrastructure that supports machine learning models also created Agile process plan, estimate, design, document, and build high-quality operational software in a team environment.

HireCoder

Python Developer *November 2022 - August 2023*

Description: This project aims creation of a product called Hire coder which enables Jo opportunity for Freelancer and good resources for clients.

Environment: Python, Django, AWS, Postgres, React, Jira, GitHub.

Responsibilities:

- Created All Backend API's Required in the Hirecoder, Used Django as framework.
- Created, Identified, Designed and Updated the architecture as per the requirements shared.
- Used Docker for containerization and created CI/CD pipelines to interact with Different Environments.
- Used Postgres as database for data analysis and data management.
- Created, assigned, and tracked stories on Jira and Used GitHub as Repository Server.

Product Development (SentioVR)

Python Developer *August 2023 - April 2024*

Description: This project aims creation of VR product called as SentioVR. Development of this product involves Strong knowledge of Python and AWS and its services.

Environment: Python, AWS, DynamoDB, Cognito, API Gateway, SNS, SQS, Secret Manager, System Manager, Base Camp, GitHub.

Responsibilities:

- Developed the complete platform from the scratch.
- The Platform developed is server less and created in python.
- Created, Identified, Designed the architecture of the VR platform.
- Created complete workflow, CI/CD pipelines.
- Used AWS Lambda to perform different operations.
- Used S3 Bucket to manage Tour data and user asset data.
- AWS Services such as Cognito for Authentication, Gateway for API end point, SNS, SQS for event triggering and queuing, Sercet Manager and system manager to store the values. DyanaMoDB as database has been implemented.
- Created, assigned, and tracked tasks on Base camp and Used GitHub as Repository Server.

TECHNICAL EXPERTISE

Python	API Gateway
Flask	Cognito
AWS	Lambda
SNS	Secret Manager
SQS	System manager
django	DynamoDB
MYSQL	Postgres
Core Java	MS SQL Server

SKILLS

SAP BODS	Html
SAP HANA	CSS
Winshuttle	Spring

PERSONAL SKILLS

Communication Management	Punctual Problem Solving	Hard Working
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TOOLS

Jupyter Notebook Microsoft	Data Service Design	Eclipse
SQL Server 2014	Information Design Tool	Winshuttle Transection
DBeaver	JIRA	GitHub Repository Server