Rahul V. Adle

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Carrier Objective:

Intend to build a career with leading organization of high-tech environment with a team which strives for the better growth of the Organization, explores my potential and provides me with the opportunity to enhance my talent with an intention to be an asset to the Company.

Synopsis:

- Overall 4.5+ Years of experience in software design, development, implementation and Unit testing using Python, Django Technologies.
- Experienced in full life cycle of Python Application Developments, Including Analysis, Requirements Gathering, Design, Development, Implementation, Maintenance and Enhancements.
- Experience working in Agile Scrum and Waterfall Methodologies.
- An erudite **PhD & M. Tech** Professional with zeal to make a winning career.
- 4.8 years of experience as an Assistant Professor.
- An effective communicator with strong analytical / logical skills and ability to relate to people at any level of business and management.
- Possess Analytical thinking, Innovation & Problem-solving ability.
- A quick learner with the ability to work under pressure and meet deadlines.

Work Experience Summary:

- Overall 4.5+ Years of experience in software design, development, implementation and Unit testing using Python, Django Technologies.
- Experienced in full life cycle of Python Application Developments, Including Analysis, Requirements Gathering, Design, Development, Implementation, Maintenance and Enhancements.
- Experienced working in Agile Scrum and Waterfall Methodologies.
- Practical uses of object-oriented programming, data structures in daily based task
- Experience in using Design Patterns such as MVC/MVT, etc.
- Good working experience with Core Python, Advanced Python, Django, Web Services with DRF (Django rest framework), MVC, JSON, Unittest, logging, SQLAlchemy(ORM), Flask, HTML, Design Patterns.
- Used GIT/GITHUB to deployment of code and maintaining Versions.
- Strong understanding of project management tool- JIRA an Atlassian product and Rally.
- Hands on experience with MySQL Database development experience. Proficient in writing SQL Queries.
- Good experience with Python and Object-Oriented Programming using concepts like Polymorphism, Inheritance, Method Overriding, Method Overloading, Exception Handling and Collections, Decorator, Generators, etc.
- Experience in using python modules like Random, OS, CSV, SYS, File-handling, etc.

- Worked on Web Services, API.
- Proficient in using editors PyCharm, VS-code, Notepad++ and Sublime Text while developing different applications.
- Experience in developing and implementing Web Services using REST Architecture.
- Able to write efficient code and handle performance issues using python.
- Good Exposure to Cloud Computing and Docker Containerization concepts.
- Responsible for hosting Scrum Meetings, Standups & Retrospectives in absence of Scrum Master.
- Excellent client interaction and presentation skills and proven experience in working independently as well in a team with good leadership qualities.
- Ability to quickly adapt to new environments and learn new technologies.

Technical Skills:

Programming Languages	: Python, Matlab, SQL
Web Framework	: Django
Web Designing	: HTML, CSS
Web Service	: REST-API, JSON, DRF (Django Rest Framework)
Database	: MySQL
Unit Testing	: Unittest, PyTest
API Testing Tool	: Postman, Swagger
Cloud & Orchestration	: Docker, Basics of GCP, Azure Devops(Basics)
Versioning Tools	: GitHub, Git
Project Management Tool	: Atlassian JIRA, Rally
Development Tools	: PyCharm, Python Shell
Communication Tools	: Zoom Meeting, Skype, WebEx, Google Meet
Methodologies	: Agile, Scrum, Waterfall
OS and Networking	: Windows, Linux (Ubuntu)
Reporting Tools	: MS-Office

Work Experience:

TSYS
A Global Payments Company
Associate Senior Software Engineer
Jun-2021 – Nov-2022
Project 1: ETL – Tokenization
Client: A Global Payments
Python Developer
Project Description:
Involve and contribute in the ETL Tokenization project for on-premises to Cloud migration(GCP). Involved in python cloud framework code enhancement. Created data pipelines in GCP and modified/added new features in existing scripts as per the cloud modifications. Manage and Maintain codes in VSTS. Rally software is used for project management.

The process receives files from source, process, transform and convert it to a delimited file. The generated output file will be sent to cloud storage and will be loaded to BQ. For sensitive files, the process aims to replace sensitive information such as card number, pan etc... to redacted form from source file and generate the

delimited. We aim to keep this python ETL process generic and configurable for any new sources to onboard. This process is flexible to perform transformations based on file expressions as part of configuration.

Responsibilities:
- Involved in the project life cycle including design, development and implementation and verification and validation.
- Responsible for developing application using Python.
- Worked on development of different modules.
- Wrote scripts in Python for Extracting Data from JSON and XML files.
- Created Class Based Views for HTTP requests.
- Utilized Unittest, the Python unit test framework for testing the functionality of the application.
- Used MySQL as database and implemented frequently used queries as Model Manager functions.
- Used Git version control system for collaborating with teammates and maintaining code versions.

Advayas Tech Solutions Pvt. Ltd
Software Engineer
Jun-2018 – Jun-2021

Project 1:
Client: Fast Lane Sportswear, Inglewood, CA
Python Developer
Feb 2020 – Jun 2021

Project Description:
This project deals with maintaining the product information, availability, ratings, reviews and verify the seller accounts and update the information accordingly in database so that data empowers the UI and reflects the updated information and customers can buy products.

Responsibilities:
- Involved in the project life cycle including design, development and implementation and verification and validation.
- Responsible for developing backend of the web application using Python and Django.
- Worked on backend development of different modules.
- Worked on User Registration Modules.
- Worked on developing backed for global search with filters.
- Worked on generating filters inside modules for filtering data according to user needs.
- Wrote scripts in Python for Extracting Data from JSON and XML files.
- Developed a RESTful web services using Python and Django to retrieve and save data
- Implemented rest API using DRF (Django Rest Framework)
- Created Class Based Views for HTTP requests.
- Used RESTful Web services for transmission of large blocks of XML/JSON.
- Utilized Unittest, the Python unit test framework for testing the functionality of the application.

- Used MySQL as database and implemented frequently used queries as Model Manager functions.
- Used Git version control system for collaborating with teammates and maintaining code versions.

Project 2:
Alkan CIT – Middle East
Python Developer
Jan 2019 – Jan 2020

Project: Alkan HR (Human Resource Management Application)
A HRMS Web Application for managing HR Functionalities like attendance, leaves, employee details, employee documents, company policies, etc.

Roles & Responsibilities:
- Involvement in various aspects of the software development life cycle including design, implementation, unit testing.
- To write reusable, testable and efficient code.
- Experienced working within an Agile/Scrum workflow.
- Actively participated in stand-up project status meetings, sprint planning meetings.
- Developed front-end and back-end modules using Python on Django Web Framework.
- Developed scalable applications using Django-Rest-framework (DRF).
- Tested Rest Application using Swagger & POSTMAN.
- Responsible for debugging and troubleshooting the web application.
- Implemented Size-based and Time-based logging.
- Utilized PyTest & Unittest, the Python unit test framework for testing the functionality of the application.
- Communicated & Trained users with Flow & Use of the system.

Project: Resource Management System
Build an autonomous system using Python, Django, Git, HTML, CSS. Which will schedule Telecom Engineer shift properly based on their preference and company policy. This solution has enables client with reduction in the managing cost by 50% and improved the efficiency.

Project 3:
Client: Entia
Embedded Python Developer
Jun-2018- Dec 2018

Project: IoT Gateway
Duration: 7 months
IoT Gateway is built to meet the requirement of receiving data from API gateways. An API gateways consist of multiple devices. All the devices have multiple motors & temperature probes. It also has the information like gateway name, device name, device ID, sub-device ID, device type & dynamic data of motor (Ex. Temperature, power, speed).
Data receiving from gateways and that data is stored into database into specific sequence, then that stored database data is used to show on web application (dashboard page).

Responsibilities:
- Captured customer requirements, study accordingly, proposed possible advance options.
- Preparation of Fine Design.
- Software implementation of system & developed web application.
- Implemented Dashboard using Django.
- Create Rest API for data to be available for mobile application using DRF.
- Complete execution of code through Python language for Linus OS.
- Device data was stored is MYSQL.
- Created Database tables.
- Utilized MYSQL queries while developing gateway for data purpose
- Used Git for Code versioning.
- System Software Integration Tests.

Project: Password Based Locking System
Duration: 4 Months.

This system is a password-based door lock system wherein once the correct code or password is entered, the door is opened, and the concerned person is allowed access to the secured area. After some time, the door would be closed automatically. It is fully functional based on the password. Three wrong password would the lock the system.

Responsibilities:
- Responsible to a build a Production Ready Prototype.
- Responsible for Testing the system.
- Responsible for design and structure of the system.
- Primary Person to determine the Hardware components to be used for the system.
- Picked 8051 micro controller and programmed it for ping password checking and storage.
- Connected a storage to the controller for saving user ids and passwords of the users.

Education Details:

PhD (Electrical drives)
Priyadarshini College of Engineering, Nagpur.
RTM Nagpur University (2017(submitted), 2019(awarded)).
Project:
Development of PV Based Z-Source Inverter Fed Induction Motor Drive for Water Pumping System.
Description:
Done the simulation of solar PV based series Z-source inverter fed induction motor with centrifugal pump using Matlab/Python/Simulink. Fabricated experimental set up for solar PV based series Z-source inverter with induction motor and centrifugal pump as load using digital signal controller (DSC).
Patent Filed (patent number- 201721000862) "single stage drive for three phase solar pump"

Master's in Technology (M. Tech)
Priyadarshini College of Engineering,
RTM Nagpur University (2011).
Secured aggregate of 80.75 Percentile
Project:
Design and Implementation of PID Controller for a Two Quadrant Chopper Fed DC Motor Drive.
Description:
Done the Hardware and Matlab simulation of DC motor drive using digital signal controller.

Bachelor of Engineering (B.E)
Yeshwantrao chavan College of Engineering
RTM Nagpur University (2008).
Secured aggregate of 67.03 percentile.
Project:
Grid Connected Wind Turbine System.
Description:
Done the Matlab simulation of data collected from grid and display on dashboard.

Other Credentials:

- Certificate for social service received from National Association for Disabled in School Level.
- Done the Paper presentation in National level in JIGYASA-11 and SHIKHAR-11 which was held in Nagpur.
- Done the Journal Publication in International Journal of Engineering Research and Industrial Application (IJERIA).
- Done the preparatory Diploma in Advanced Computing (PreDac) from Pune.

Languages:
English, Marathi, Hindi