ARAVIND PONNALA

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OBJECTIVE

A competent professional with **6+ years** of experience in Web Application Development with a prolific track record of leveraging Python, Django, and Fast API to develop cutting-edge, user-friendly solutions. Possesses in-depth knowledge of MVT architecture, object-oriented programming, and proficiency in integrating RESTful APIs and AWS Cloud Services. Highly skilled in employing agile framework and trend-based algorithms and delivering compelling business value to key stakeholders.

PROFILE SUMMARY

- Proficient in developing applications and implementing Model View Control (MVC) or Model View Template (MVT)architecture using server-side applications with Python and frameworks like Django, Flask, and Fast API Django rest framework.
- Worked on Application Servers like **Nginx, and Gunicorn.**
- Integrated Development Environments like **PyCharm, VS Code**
- Involved in the process of creating Use-case diagrams, Activity flow diagrams, Class diagrams, and Object diagrams in the design phase and developed the Coding module Designed and maintained databases using Python and developed Python-based API using SQL Alchemy and PostgreSQL and installed packages using python-pip and easy to install.
- Rich experience in MYSQL database queries from Python using Python-**MySQL** connector and MySQL to retrieve information and expertise in establishing database connections for Python by configuring packages like MySQL-python.
- Integrated the Payment module using **Razorpay** using Razorpay library for seamless payments
- Hands-on experience in session-based authentication for user authentication and authorization
- Formulated unit test cases using **PyTest** libraries.
- Worked on Backend **Microservices** and API Development using **Python**, **Fast API, Django, Rest APIs, Docker Containers**
- Integration of **open APIs** in SaaS applications as per stakeholder needed**.**
- Hands-on experience using tools like **sonar-cube** and **Fortify** for code refactoring and fixing **vulnerabilities**
- Experienced in developing Web-based Applications using **Python, CSS, HTML, HTML5, CSS3, Bootstrap, JavaScript, AJAX, jQuery, JSON, UI, XML, and React JS involving Beautiful Soap, NumPy, and Pandas Data Frame**
- Working experience in Cloud-like AWS worked on **Amazon Elastic Compute Cloud** (EC2), **Amazon Virtual Private Cloud** (VPC), **Amazon Simple Storage Service** (S3), **AWS Cognito** for user authentication.
- Hands-on experience in Database services like Amazon **Relational Database Service (RDS)** and Management services like **AWS Auto Scaling**, **Amazon CloudWatch**, **Elastic Load Balancing (ELB)**
- Exposure to **Waterfall, Agile Methodologies, Scrum** stories, and sprints experience in a **Python-**based environment
- Strong experience in **DevOps** Environment by enhancing Continuous Delivery and infrastructure change by using **Ansible, Kubernetes**, and **Docker** to deploy code with **GIT, Jenkins**
- Worked on **Control flow / Dataflow tasks, Loops,** Containers, Parameters, Variables, Post Deployment Configurations, Jobs
- Extensive experience with **Amazon Web Services (AWS), AWS Cloud Formation, AWS Cloud** Front, and Experience in using containers like Docker and familiarity with Jenkins

TECHNICAL SKILLS

~ **Languages:** Python, HTML, CSS, JavaScript & React.js	~ **Frameworks:** Django, Django Rest Framework, Fast API
~ **Databases:** MySQL, PostgreSQL, Redies	~ **Platforms:** Linux, Windows
~ **IDE/Tools:** PyCharm, Sublime Text, IDLE, Visual Studio Code	~ **Version Control:** GIT
~ **CI/CD:** Jenkins	~ **Cloud:** Amazon Web Services, Heroku

~ **Other Technologies:** Celery, Kubernetes, AWS Cognito, AWS Lambda, AWS RDS, AWS Route53, AWS EC2, Elastic Load Balancer, Razorpay

Core Competencies

- ~ Project Management
- ~ Python Frameworks
- ~ Software Development Life Cycle
- ~ User Management Systems
- ~ Frontend Development
- ~ Scripting
- ~ Backend Development
- ~ Automation
- ~ Web Scraping
- ~ Team Leadership & Coordination

- ~ Web Application Development
- ~ Debugging & Bug Fixing
- ~ Performance Testing
- ~ Defect Analysis
- ~ Learning Management Systems
- ~ Object-Oriented Programming
- ~ User Authentication
- ~ Database Model
- ~ API Management
- ~ Data Security

Organisational Experience

July 2023 – Nov 2023: Sr Backend Developer
Neotas Development PVT LTD., Pune Maharasta.

Project: Delvium
Period: July 2023 –Nov 2023
Role: Sr Backend Developer
Tech Stack: Python, Django, FAST API
Database: PostgreSQL, Mongo DB

Key Result Areas:
- Implemented seamless integration of **open APIs** (Facebook, Twitter, Court) for **due diligence**.
- Validated Excel sheets to ensure data accuracy and reliability.
- Integrated SonarQube to detect code smells and monitor test coverage.
- Developed microservices architecture using **Fast API**, and **Docker**.
- Applied expertise in handling **graph data** for specific project requirements.
- Supervising team members and delegating tasks effectively to ensure smooth workflow and task alignment.
- Implemented a **Credit Pack system** to consume the private APIs in the application

March 2022 – July 2023: Software Developer II
S&P Global Pvt. Ltd., Hyderabad

Project: AGAVE
Period: March 2022 – July 2023
Role: Software Developer II
Technologies:
- Front-end: React.js
- Back-end: Python, Django, Django Rest Framework, Fast API
- Database: PostgreSQL

Key Result Areas:
- Managing code deployments, fixes, updates, and related processes
- Leading the development & implementation of procedures for system troubleshooting and maintenance
- Contributing to the design, development, testing, **troubleshooting,** and **debugging** of the solutions
- Contributing to end-to-end management and monitoring project progress as per scheduled deadlines for various tasks; steering efforts to ensure timely execution within the stipulated parameters
- Working on building and maintaining **Microservices/ Rest APIs**
- Working in an **Agile** environment with an excellent team of engineers
- Formulating back-end APIs for the Price Reporting platform, Reporters, Editors, and Techop's users
- Formulating Test Cases by using the PyTest testing framework and resolving the Code-smells using **SonarQube**

- Redesigning the Normalization and Pre-normalization to APIs for flat and float pricing basis
- Resolving the application **vulnerabilities** by using the **Fortify** framework
- Formulating the Order-book for price assistance like displaying a summary of best bid best offer and trades
- Wrote scripts to Import and Export data to **CSV, and EXCEL** formats from different
- Implemented the microservices architecture using **Django, Fast API,** and **Docker**

July 2017- Mar 2022: Django Developer & API Developer
Aodh Intelligence Pvt. Ltd., Hyderabad

Project: Aodh Human.
Period: January 2021- March 2022
Role: Django Developer | API Developer
Technologies:
- Front-end: React, Bootstrap, CSS3
- Back-end: Python, Django, Django Rest Framework
- Database: MySQL
- Deployment: AWS

Project: Aodh Pet
Period: July 2017- January 2021
Role: Django Developer
Technologies:
Front-end: React, Bootstrap, CSS3
Back-end: Python, Django
Database: MySQL
Deployment: AWS

Key Result Areas:

- Formulated backend APIs for **Hospital management system**, users, doctors, and admin while developing a dashboard for admin
- Participated actively in the overall functionality of the backend as part of **API Developer**. Using Django and Django Rest framework
- Established token-based authentication with **AWS Cognito** and user schema, along with designing templates for the **user management system**
- Designed **custom-user model** as per the requirements for profile picture, user profile, social user
- Created **custom registration logic** and custom login logic with OTP
- Formulating **Test Cases** by using the PyTest testing framework
- Formulated back-end APIs for the Hospital Management System, users, doctors, and admin while developing a dashboard for the admin
- Implemented the multi-tenant architecture for web application with **Django framework and PostgreSQL** Deployment of web application (SAS) using AWS cloud services like **EC2, Rout53, Lambda, RDS, S3, AWS Cloudwatch**
- Worked on **SSL** integration of web application for having secure connections to server and client

EDUCATION

- **2023 – Present: Master's in computer science** from **Auburn University at Montgomery,** Montgomery, AL
- **2016 – Bachelor of Commerce in Computers** from **Master's degree and PG College**, Sangareddy, India

PERSONAL DETAILS

Date of Birth: 5th June 1996
Languages Known: English, Telugu and Hindi
Address: 7008 Taylor Crossing DR APT-E Montgomery, AL 3611