

PEDA RAYUDU DOLA

Python Backend Developer

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Profile

Experienced Python Backend Developer specializing in Flask, Django frameworks and MongoDB, with a proven track record of building robust and scalable backend solutions. Skilled in designing and implementing RESTful APIs using Django Rest Framework and ensuring optimal performance.

Proficient in AWS, including EC2, Route 53, Lambda, API Gateway, S3, and Event Bridge, with expertise in serverless computing. Experienced in database management with MongoDB and PostgreSQL, ensuring data integrity and efficient retrieval.

Seeking remote backend developer opportunities to contribute my skills in Python, Flask, Django, AWS, serverless computing, and database technologies to deliver high-quality software products.

Professional Experience

Python Backend Developer, *Rusé Home*

03.2023 – 02.2024 | Bangalore

- As a backend developer for the **Ruse** app, responsible for maintaining end-to-end backend operations.
- Leveraged **Flask** framework to architect robust **APIs**, ensuring seamless communication between the internal tool and the Ruse app.
- Implemented **MongoDB** database design and optimization techniques to enhance data storage and retrieval capabilities.
- Managed AWS **EC2** servers to ensure stability and security, while also integrating various AWS services such as **Lambda**, **S3**, **Event Bridge**, **Route 53**, and **API Gateway** to support the backend infrastructure.
- Successfully integrated **Paytm payment gateway APIs** into the Ruse app, enhancing its payment processing functionalities.
- Utilized AWS **EventBridge schedules** to implement smart device scheduling features, enhancing automation and user experience.
- Implemented **CI/CD** pipelines using **GitHub** and **AWS CodeBuild** services for efficient deployment of microservices in **Kubernetes**, with container images stored in AWS **ECR**.
- Employed AWS **SQS** and **SNS** for effective internal communication among microservices, ensuring seamless operation and scalability.
- Developed AWS **Lambda** functions to optimize infrastructure costs and resource utilization effectively.
- Proficiently managed AWS **Route 53** for **DNS** management.
- Actively maintained and enhanced the Ruse app admin dashboard, providing an intuitive backend solution for managing app operations and data.

- Developed server-side applications and user interfaces utilizing **Python** in conjunction with the **Django** framework.
- Managed ongoing maintenance and troubleshooting activities to ensure the uninterrupted operation of Python Django projects.
- Collaborated closely with cross-functional teams to address complex technical challenges and optimize project performance.
- Leveraged Django's Object-Relational Mapping (**ORM**) capabilities proficiently to manage and interact with **PostgreSQL** databases efficiently.
- Designed and implemented bespoke internal tools for clients using Django, enhancing their ability to track activities and manage processes effectively.
- Engineered Python automation scripts to streamline various backend tasks, enhancing workflow efficiency and operational effectiveness.
- Proficiency in handling both **SQL** and **NoSQL** database

Education

B.Tech, *University College of Engineering JNTUK,*
Narasaraopet
7.71 CGPA

2016 – 2020 | Narasaraopet, India

Intermediate, *Sri Sadhana Junior College*
95.5%

2014 – 2016 | Markapur, India

SSC, *ZPH School*
8.5 CGPA

03.2014 | Tripuranthakam, India

Skills

- | | | |
|----------------------------------|----------------------------|-----------------|
| • Python | • Flask | • Flask Restful |
| • Django | • Django REST API | • MongoDB |
| • HTML | • JavaScript | • JQuery |
| • Git | • Amazon Web Services(AWS) | • Docker |
| • Kubernetes | • CI/CD | • SQL |
| • Data Structures and Algorithms | | |

Courses

Complete Python Bootcamp from Zero to Hero in Python, *Udemy*

Python OOP – Object Oriented Programming, *Udemy*

Unite Testing and Test Driven Development in Python, Udemy

Python Django Full Stack Web Development Bootcamp, Udemy

Build REST APIs with Django REST Framework and Python, Udemy

Projects

Ruse App Admin Dashboard [↗](#)

Role: Backend Developer

As a Python Developer, spearheaded the development of Ruse Dashboard, an internal tool for monitoring order lists, revenue counts, and app downloads for Android and iOS platforms. Leveraging Python and Django, I crafted a user-friendly interface with Bootstrap templates for efficient data visualization. MongoDB served as the primary database backend, while Django Custom Signals facilitated real-time notifications and triggers. AWS Kubernetes was utilized for hosting and deployment, ensuring high availability. Features included order detail viewing, status change capabilities, and the ability to create custom orders. Stringent security measures were implemented to safeguard sensitive data, while collaboration with frontend developers ensured seamless integration of backend functionalities.

Technologies:

Python, Django, JQuery, MongoDB, Django Custom Signals, Bootstrap

Income Expense Tracker [↗](#)

Role: Backend Developer

Income and Expense tracker is a Python and Django Based Web application with the following features:

CRUD operations on such as list, add, edit and delete operations on users expenses and income.

Exporting expenses and income data to CSV and Excel file.

Visualizing the users income and expenses data by bar graph and pie chart.

Multi users login support with login and registration pages. Added JavaScript validation to make sure that no duplicate registration entries added to database.

Technologies:

Python, Django, HTML, JavaScript and Bootstrap

Languages

- English
- Telugu
- Hindi

Interests

- Blogging
- Digital Marketing
- Social Media Content Creation
- Tech Savy
- Cars & Bikes

Declaration

I here by declare that all the above information is true to the best of my knowledge