

Arun Kumar Singh *Python Developer*

✉ arunatuoh@gmail.com ☎ 7892503471 in Arun Singh 📍 HSR Layout, Bangalore

Profile

Highly skilled Python API Developer with 1 year and 8 months of professional experience seeking a challenging position in a dynamic organization. Committed to delivering high-quality software solutions and optimizing API performance to enhance user experiences. Strong problem-solving abilities and a collaborative approach to team projects.

Skills

Python

Fast API

Flask (restplus, restx)

SQLAlchemy

Marshmallow

PostgreSQL

Django (DRF)

Git (GitHub)

Rest Api

Backend Jobs

Flask SSE

AWS (Lambda, Api Gateway, S3, SNS, CloudWatch, EC2, Cognito, DynamoDB)

Professional Experience

Factana Computing Private Limited

Python Developer

07/2022 – present | Bangalore, India

Shayam Future Technology

Python Django Developer

05/2022 – 07/2022 | Kolkata, India

Projects

Fogwing Vision (Quality Inspection) (07/2023-present)

1. Created and configured the entire table structure and schemas for the Vision Device using SQLite3.
2. Developed seamless APIs by using SQLAlchemy ORM for managing Orders, Products, Suppliers, and Order Inspections.
3. Implemented Server-Sent Events (SSE) to enable real-time photo rendering and display live counts for Goods and Rejections Orders.

Fogwing Asset Plus Management (CMMS) (11/2022-07/2023)

1. Built this application from scratch. Designed PostgreSQL database for the application and created all required tables with relationships using SQLAlchemy migrate functionalities.
2. Designed and developed complete API package of the application in two layers as Open APIs and Internal APIs using Fast API and Flask REST Plus frameworks respectively.
3. Applied all validations using Pydantic feature of Fast API and also used Marshmallow schema for database related validations.
4. Integrated ChatGPT Open APIs with our Fast API to auto generate checklists for a work order of an asset.
5. Secured all APIs using flask-jwt-extended and Prepared Swagger documentation and Redoc page for all Open APIs.

Fogwing IoT Industries 4.0 (07/2022-11/2022)

- 1.Created APIs that enable seamless pagination and comprehensive search functionality across all pages.
- 2.Designed and developed an Api that stream real-time data from IoT Devices, displaying divers' datatypes.
- 3.Worked on Open Api by Using Fast API for Authorization, Application, Edge Devices, IoT Hub, and Command.

Cerebral(e-commerce) (04/2022-07/2022)

- 1.Developed and implemented a web application using Django framework and PostgreSQL database, successfully building robust and scalable APIs.
- 2.Created API endpoints for trending sellers and deals of the day, providing users with real-time.

Education

Master of Computer Application (MCA) - Percentage - 76%
Osmania University, Secundrabad

01/2020 – 01/2022 | Hyderabad, India

B.Sc (Math) - Percentage - 72%
Magdh University, Bodh Gaya

06/2015 – 06/2018 | Patna, India

Intermediate - Percentage - 70
Bihar School Examination Board, Patna

06/2012 – 06/2014 | Patna, India

Languages

English (Write and Speak) • **Hindi** (Write and Speak)