

Lokesh Chauhan

Python Developer

✉ lokeshchauhan058@gmail.com ☎ 8476863792 📍 New, Delhi 🔗 Portfolio

🌐 Lokesh Chauhan 🔄 lokeshchauhan2801

Profile

Experienced Python developer with 1.7 years of full stack experience. Proficient in Python (Django, Flask, FastAPI), MySQL, PostgreSQL, SQLAlchemy. Specialized in building high-performance REST APIs (over 100+ APIs developed with 30% performance improvement), designing efficient database models. Eager learner, straightforward communicator, and collaborative contributor in fast-paced environments

Skills

Programming language

- Python
- JavaScript
- C++

Version Control

- Git

Containerization

- Docker

Web Frameworks

- Flask
- FastAPI
- Django

Concurrency Techniques

- Multithreading
- Multiprocessing
- Celery
- Asyncio

Database Management

- MySQL
- PostgreSQL
- Elasticsearch
- Redis
- SQLAlchemy

AWS Service

- S3 Bucket

Front-end Frameworks and Libraries

- Vue.js
- ReactJs

ETL Tools

- PySpark
- Pandas
- Numpy

Professional Experience

NMG Technologies

Python Developer

02/2024 – present

Gurugram, Indian

• Back-end:

- **Performance Improvement:** Highperformance Python Web applications developed using Flask-Restful and FastAPI resulted in a 25% improvement in API responsiveness. Focus on the development and optimization of REST APIs for better responsiveness and scalability.
- **Efficient Database Transactions:** Implemented database operations sped up with Async SQLAlchemy over FastAPI, dropping by 30% the time for data transactions while ensuring efficient data handling for REST APIs interactions through asynchronous processing.
- **Enhanced Search:** Integrated Elasticsearch for faster data fetches, which reduced the search time by 70%, thereby improving the overall system performance.
- **Cloud Integration with AWS:**
 - **Amazon S3 :** leveraged scalable and fault-tolerant storage solutions to handle/save huge data volumes.

Education

Master of Computer Science Chandigarh University	07/2023 Punjab, India
Bachelor of arts Uttarakhand open university	07/2020 – 07/2023 Uttarakhand, India
Diploma in Electronics and Communication Engineering (ECE) Govt. Polytechnic , Dwarahat	06/2019 – 06/2022 Uttarakhand, India

Courses

Python Full-Stack Ducat-India	2023 – 2024 Delhi, India
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Gained expertise in full-stack development with a focus on **Python**. Key areas include:

- **Python**: Mastered core programming, OOP, and efficient coding practices.
- **Django & Flask**: Built web applications and APIs using Django and Flask frameworks.
- **Data Science**: Utilized **NumPy** for numerical computations and **Pandas** for data manipulation.
- **React.js**: Developed interactive UIs with React, focusing on components, state management, and hooks.
- **MySQL**: Proficient in database design and SQL queries.

Projects

Ludo Multiplayer Game The Ludo Multiplayer Game is a real-time, multi-user game built using Python FastAPI , leveraging WebSockets for live gameplay communication. The system is containerized using Docker and efficiently manages state and real-time updates using Redis . A User Service is integrated for authentication, player management, and session handling. Additionally, REST APIs are exposed for game-related operations, such as leaderboard retrieval and game history. Tech Stack Used <ul style="list-style-type: none">• Backend Framework: FastAPI (for handling both REST API and WebSockets)• Real-time Communication: WebSockets (FastAPI's WebSocket support)• State Management: Redis (for caching game states and player sessions)• Containerization: Docker (for easy deployment and scaling)• Database: PostgreSQL (for user data, game history, and statistics)• Authentication: JWT-based authentication for secure player logins• Microservices: User Service for player authentication and management	2024 – 2024
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