

Summary

Backend Engineer with expertise in **FastAPI**, **Node.js**, **Django**, and **React**. Strong problem-solving skills with **300+ DSA problems solved** on Leetcode and GFG. Experienced in designing scalable microservices, optimizing database performance, and implementing cloud solutions. Worked extensively with **REST APIs** across all projects and **WebSockets** for real-time communication in personal projects. Seeking challenging backend roles to build high-performance applications.

Work Experience

Backend Developer Intern, Digital Live 24 — Remote, Bangalore

Feb 2024 – Present

- Developed **Flyshuttle** airport bus service backend using **Django Rest Framework**, reducing operational costs by **15%**.
- Engineered hybrid **Signage Project** with **Django** core and **Node.js** microservices, achieving **40% faster** data retrieval from **MongoDB/MySQL**.
- Implemented event-driven architecture with **Kafka**, reducing system latency by **25%**.
- Deployed on **AWS (S3, EC2, R2)** handling 10,000+ daily transactions with **99.9% uptime**.
- Containerized services with **Docker**, reducing deployment time by **60%**.
- Designed and optimized **REST APIs** for efficient backend communication.

Backend Developer Intern, Katyayani Organics — Remote

Sep 2024 – Feb 2024

- Built comprehensive business workflow portal with **FastAPI** and **PostgreSQL**, streamlining 6 core processes:
 - Indent, quotation & purchase order management
 - Inventory tracking with **25% reduction** in stockouts
 - Quality checks & inward processing
- Optimized API response times by **30%** using **Psycopg** and efficient caching strategies.
- Implemented secure role-based authentication supporting **50+ concurrent users**.
- Integrated **AWS S3** for document storage with automated versioning.
- Designed and maintained **REST APIs** to support core business functionalities.

Projects

Chess Multiplayer Game (*FastAPI, WebSockets, React TS, Stockfish AI*)

Built real-time chess platform with WebSockets, reducing latency by **40%**. Integrated Stockfish AI engine with configurable difficulty levels. Implemented responsive TypeScript frontend.

Flyshuttle Backend (*Django, PostgreSQL, AWS, Redis*)

Developed airport bus service backend handling **500+ daily bookings** with real-time scheduling. Implemented fault-tolerant architecture maintaining **99.9% uptime**. Integrated secure payment gateway processing **50,000+ daily**. Designed and maintained **REST APIs** for smooth data flow.

Signage Project (*Django, Node.js, Kafka, MongoDB, MySQL*)

Created hybrid system for digital signage with Django core logic and Node.js microservices, reducing load times by **60%**. Implemented Kafka-based event bus ensuring reliable inter-service communication. Developed and optimized **REST APIs** for data access.

Technical Skills

Languages: Java (Advanced), Python (Advanced), JavaScript (Intermediate)

Backend: FastAPI, Django REST, Node.js, Express, Microservices

Frontend: React, TypeScript, HTML5/CSS3

Databases: PostgreSQL, MongoDB, MySQL, Redis

System Design: Load Balancing, Caching, Distributed Systems

Cloud & DevOps: AWS (S3, EC2, R2), Docker, Kubernetes, Kafka

APIs: Extensive experience designing and optimizing **REST APIs**, WebSockets for real-time applications.

Education

B.Tech in Computer Science, UIT-RGPV

Nov 2022 - Jul 2026

CGPA: 7 — Coursework: Data Structures, Algorithms, Databases, Web Development

Achievements

- 2nd Runner-up, WWF Hackathon 2024
- Winner, Internal Hackathons 2023 & 2024
- Solved **350+ DSA problems** on [LeetCode](#)