Yash Sharma

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Summary

Backend / Web3 Engineer with 2+ years of experience building high-performance DeFi and real-time systems. Specialized in Python (Flask/FastAPI) and Ethereum infrastructure. Designed low-latency APIs, blockchain listeners (300k+ tx/day), and provably-fair gaming engines. Seeking backend or Web3 engineering roles where I can build scalable distributed systems.

Experience

Software Engineer I – Backend, Stackera, Pune, India   Jul 2023–Present

Client Project: Crypto Betting Platform (Nov 2025–Present)

- Architecting core backend services for real-time betting games including Dice, Plinko.
- Designing FastAPI microservices and PostgreSQL schemas for users, bets, sessions, and provably-fair mechanics.
- Implementing foundational betting logic, game sequencing, seed/nonce flows, and modular game engines.
- Building transaction-safe bet execution workflows and scalable session handling.

Client Project: DexCheck.io (Jul 2023–Oct 2025)

- Scaled multi-chain blockchain listeners (ETH, BSC, Base) with Web3.py, cutting processing latency by 50%.
- Engineered FastAPI endpoints with Redis and Prometheus, achieving 120ms P95 latencies.
- Built Kafka-based ETL pipelines and analytics flows using partitioned PostgreSQL and RPC integrations.

Software Development Intern (Apr 2023–Jun 2023)

- Developed and tested Python/Flask applications, reducing DeFi prototype processing time by 20%.

Education

Chaudhary Charan Singh University, BCA, Uttar Pradesh, India   Jun 2020–Jun 2023
Relevant Coursework: Data Structures, Web Development

Shaheed Captain Anuj Nayyar School, High School, New Delhi, India   2013–2020

Projects

PyDeadCode Finder (Personal Project)   2025

- Created a Python-based static analysis tool to detect unused imports, functions, classes, variables, and unreachable code to improve code cleanliness.
- Implemented a command-line interface that scans entire project directories and generates detailed HTML reports for dead code detection.

PyDuplicate Finder (Personal Project)   2025

- Developed a Python tool to detect duplicate files across directories using file hashing (MD5/SHA), enabling faster cleanup and storage optimization.
- Implemented a command-line interface with detailed reporting of duplicates and efficient scanning of large folder structures.

Binance API Data Fetcher (Personal Project)   2023

- Developed a Python application utilizing the Binance API to retrieve 24-hour ticker statistics, including current price, 24hr high, and 24hr low for specified cryptocurrency trading pairs.

Skills

Languages/Frameworks: Python (Flask/FastAPI, SQLAlchemy), JavaScript (Intermediate), HTML/CSS
Blockchain/Web3: Ethereum, Web3.py, DEX APIs, JSON-RPC, Oracles (e.g., Chainlink)
Databases & Storage: PostgreSQL, Redis, QuestDB, MongoDB, MySQL, Elasticsearch
Tools & Infra: Git, Docker, Linux (Ubuntu), WebSocket, Apache Kafka, Prometheus
Spoken Languages: English (Fluent), Hindi (Native)