

Yash Sharma

Delhi, India | yash.ssharma@outlook.com | +91-73033-25661 | linkedin.com/in/yash-ssharma/

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%.

Skills

Languages & Frameworks: Python (FastAPI, Flask, SQLAlchemy), JavaScript, HTML5, CSS3

Backend & Architecture: REST APIs, API Design, Asynchronous Programming, WebSocket, Microservices Architecture, Authentication & Authorization (JWT)

Databases & Data Engineering: PostgreSQL, MongoDB, MySQL, SQLite, Redis, TimescaleDB, QuestDB, Elasticsearch, ETL/Data Pipelines, Time-Series Databases, Query Optimization, Indexing

Blockchain / Web3: Ethereum, Web3.py, JSON-RPC, DEX APIs, On-chain Data Indexing, Smart Contract Event Decoding, Oracles (Chainlink)

Infrastructure & DevOps: Docker, Docker Compose, Linux (Ubuntu), Amazon S3, Apache Kafka, Prometheus, PM2

Tools: Git, GitHub, GitLab, Swagger (OpenAPI)

Spoken Languages: English (Fluent), Hindi (Native)

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.

Education

Chaudhary Charan Singh University, BCA, Uttar Pradesh, India Jun 2020–Jun 2023

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