

# 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

<b>Software Engineer I – Backend</b> , Stackera, Pune, India	Jul 2023–Present
<b>Client Project: Crypto Betting Platform (Nov 2025–Present)</b>	
• 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.	
<b>Client Project: DexCheck.io (Jul 2023–Oct 2025)</b>	
• 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.	
<b>Software Development Intern (Apr 2023–Jun 2023)</b>	
• Developed and tested Python/Flask applications, reducing DeFi prototype processing time by 20%.	

## Education

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

<b>Shaheed Captain Anuj Nayyar School</b> , High School, New Delhi, India	2013–2020
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## Projects

<b>Binance API Data Fetcher</b> (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.	
<b>Contacts API</b> (Personal Project)	2023
• Built a RESTful API with FastAPI for managing a contact book, enabling full CRUD operations on contacts stored in a JSON file backend.	
• Deployed using Uvicorn server for efficient handling of HTTP requests.	
<b>URL Shortener API</b> (Personal Project)	2023
• Built a Python URL shortening service with SQLAlchemy ORM for persistence, validation, and redirection; supports database-backed mappings.	

## 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)