



ANKUR SAURABH

SENIOR TECHNICAL
SOFTWARE ENGINEER

CONTACT

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m

Dubai, UAE

SKILLS

- **Backend & APIs**
- Python, Django, Flask, RESTful API Design, Microservices Architecture
- **Distributed Systems & Messaging**
- Celery, Redis, RabbitMQ, Asynchronous Processing, Event-Driven Workflows
- **Cloud & DevOps**
- AWS, Docker, Containerized Deployments, CI/CD Pipelines
- **Databases**
- PostgreSQL, MySQL, SQLite
- **System Design & Architecture**
- Scalable Backend Systems, Low-Latency APIs, Fault-Tolerant Services, Secure Transaction Processing
- **AI / GenAI (Applied)**

PROFESSIONAL SUMMARY

Senior Backend Engineer with 7+ years of experience designing and building scalable, low-latency distributed systems across fintech, crypto trading, payments, and AI-driven platforms. Proven track record of leading backend architecture for complex products including OTC trading systems, automated execution engines, blockchain platforms, and AI-first SaaS applications. Strong expertise in Python, Django, REST APIs, AWS, and asynchronous systems (Celery, Redis), with a focus on reliability, performance, and secure transaction workflows. Passionate about building infrastructure that powers real-time decision-making and mentoring teams in fast-paced startup environments.

EXPERIENCE

July 2025 - Present

Backend Engineer & Product Architect

WisdomAI, Dubai

- Led **backend architecture and MVP development** of an **AI-first real estate platform** modernizing agent workflows and investment access in Dubai.
- Built **distributed backend services** powering **AI listing creation, document intelligence, CRM, analytics, and multi-portal publishing**.
- Designed **AI-enabled pipelines** for **property valuation, ROI analysis, SEO scoring, and multilingual (English/Arabic) content generation**.
- Developed infrastructure for **fractional real estate investing**, including **SPV-style investment tracking, investor portfolios, and secure wallet flows**.
- Integrated **third-party portals and external data sources** to enable **real-time publishing, market analytics, and investment intelligence**.
- Owned **system architecture decisions**, focusing on **low-latency APIs, scalability, security, and fault tolerance**.
- Delivered a **production-ready MVP**, laying the foundation for **future AI-driven automation and data-centric expansion**.

December 2022 - May 2025

Senior Software Developer (Backend)

MidChains, Dubai

- Developed the **OTC Trading Platform from scratch**, including **Client, Custody, and Trading** portals.

- LLM Integration, Retrieval-Augmented Generation (RAG), Prompt Engineering, AI Workflow Pipelines, Document Processing, Multilingual Content Generation
- **Data Processing**
- Pandas, NumPy, NLP Pipelines
- **Web Technologies**
- HTML, CSS, Bootstrap
- **Testing & Quality**
- PyUnit, API Testing
- **Domains**
- FinTech, Crypto Trading Platforms, Payment Gateways, Blockchain Systems, AI-Driven SaaS Platforms

- Built the **Client Portal** enabling **order placement, wallet generation, bank integration, withdrawals, quote management, and authentication**.
- Developed the **Trading Portal** for **real-time order execution, pricing, and quote workflows**.
- Implemented the **Custody Portal** for **KYC onboarding, client/firm management, bank verification, and fiat deposit handling**.
- Engineered the backend of a **secure cryptocurrency exchange platform**, supporting **wallet generation, crypto withdrawals, and multi-pair trading**.
- Built **admin and user management APIs** with **2FA, IP blocking, asset management, and fiat/crypto withdrawal processing**.
- Integrated **third-party wallet services** ensuring **secure, scalable transaction workflows**.
- Designed a **scalable crypto payment gateway (MidPay)** enabling **merchant onboarding, sub-merchant management, dynamic pricing, QR payments, and fiat settlement**.
- Developed **secure REST APIs** for **payment processing and conversion flows**.
- Optimized performance using **Celery and Redis** for **asynchronous processing and high-throughput reliability**.
- Architected an **automated crypto trading system** integrating **external exchanges (Coinbase)** for **real-time price discovery and execution**.
- Implemented **complex trading logic and internal vault systems** to **secure funds and maximize profitability**.
- Delivered **low-latency, fault-tolerant backend services** supporting **high-frequency trading operations**.

July 2021 - November 2022

Python/Django Developer

TNC IT Blockchain Solution, Dubai

- Developed a **cross-chain token bridge platform** enabling asset transfers from **EOS to ERC20, BEP20, and other networks**.
- Implemented secure workflows allowing users to **deposit EOS and receive mapped tokens on target blockchains**.
- Built **two-step admin approval systems** and **on-chain transaction validation** before releasing tokens to user wallets.
- Integrated **Web3-based smart contract interactions** to handle deposits, validations, and token minting flows.
- Engineered backend services for a **multi-network cryptocurrency exchange** supporting **BSC, ERC20, and other chains**.
- Designed **trade processing pipelines using Redis queues**, routing requests through **pre-processing, matching, and post-processing services**.
- Implemented **order matching logic** and persistence layers to ensure **reliable trade execution and database consistency**.
- Focused on **secure wallet interactions, transaction integrity, and scalable API performance** across blockchain networks.

November 2019 - April 2021

Python Trainer - Part Time (Remote)

Besant Technologies, Bangalore

- Google Review

June 2018 - June 2020

Software Engineer- Python

MAAA Info Services Private Limited, Hyderabad

- Developed backend systems for **e-learning and e-commerce platforms** using Python and Django.
- Built a **Content Management System (CMS)** supporting **course catalogs, student registration, enrollment workflows, and content rendering**.
- Implemented **public-facing portals** for browsing courses and managing student onboarding.
- Added **caching mechanisms** to improve performance and scalability of content delivery.
- Engineered core modules for a **full-fledged e-commerce application**, including **product catalog management and order-related workflows**.
- Designed responsive UI components using **HTML, CSS, and Bootstrap**.
- Wrote unit tests using **PyUnit** and maintained the **GitHub codebase**.
- Contributed across the **entire SDLC** (design, development, testing, deployment) and supported early startup operations including **content management and product launches**.

EDUCATION

January 2018

B. TECH in Computer Science & Engineering

Northern India Engineering College, GGSIPU

CERTIFICATIONS

- Microsoft Certified 98-381 (Introduction to Programming using Python).
- National Conference on Emerging Technology in Computing (Technophilia 2016).
- Certified and trained in Salesforce by ALMAMATE in 2016.
- Certified in Ethical Hacking & Cyber Security by LUCIDEUS Group in 2014.

PORTFOLIO

<https://ankurpython.github.io/>