Anubhuti Verma

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Software Engineer – Backend & Distributed Systems | 7+ years

Engineering high-performance cloud services, ETL pipelines, and AI-enabled workflows. Passionate about system design, API performance, and data-driven product innovation. Experienced across AWS, microservices, and fast-moving startup environments.

WORK EXPERIENCE

Senior Software Engineer (2019 - Present)

SenseHawk (Acquired by Reliance), Abu Dhabi, UAE

- Architected a high-throughput ETL platform using **Python**, **FastAPI**, **PostgreSQL**, **Redis**, **S3**, reducing analytics latency from **48 hours to 3 hours** and powering decision dashboards in Power BI.
- Designed & shipped Navix, a production Al agent using LangChain + LLMs, enabling natural-language access to operational data and cutting reporting effort 1 week → under 1 minute.
- Built a geo-workflow engine handling **50,000+ monthly field tasks**, improving uptime SLAs and reducing on-site reporting effort **40%** for utility-scale solar clients.
- Engineered a fault-tolerant API layer processing **2TB+ telemetry daily**, preventing **\$500K+ annual penalties** via proactive failure protection.
- Developed a version-controlled document management system used by **150+ enterprise users**, reducing approval cycles **50%** and email volume **60%**.
- Delivered CAD-linked construction progress planning with real-time sync to field teams.
- Led GDPR migration across 5+ services, unlocking compliance with **\$150B+ European market** and enterprise expansion.
- Collaborated cross-functionally with US, EU & UAE teams; mentored junior engineers and improved engineering guidelines & CI/CD automation.

Backend Developer (2018 - 2019)

Shanghari Global, New Delhi, India

Built blockchain-based renewable trading platform ("Reneum") using Node.js, MongoDB, enabling
500K+ secure power transactions daily and tamper-proof verification.

SKILLS

- Languages: Python, JavaScript
- Backend & Infra: Node.is, FastAPI, Express.is, Microservices, REST, Redis
- Distributed Systems & Data: ETL, Data Warehousing, System Design, Event-driven architecture
- Cloud & DevOps: AWS (EC2, S3, Lambda), Docker, CI/CD
- Al & ML: LangChain, LLM integration, Prompt Engineering (Pytorch basics)
- Databases: PostgreSQL, MongoDB

EDUCATION

B.Tech, Computer Science and Engineering - Ajay Kumar Garg Engineering College, AKTU (GPA: 9/10)

ACHIEVEMENTS

- Google Summer of Code 2017, FOSSASIA Developed UI modules for Open Event platform
- Google India Challenge Scholar Recognized for mobile web innovation