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 and owned** a high-throughput **ETL & analytics platform** using **Python, FastAPI, PostgreSQL, Redis, AWS S3**, delivering end-to-end from design to production. Reduced analytics latency from **48 hours to 3 hours** and powered near-real-time **Power BI dashboards** through continuous performance tuning.
- **Designed and shipped Navix**, a **production AI agent** using **Google adk + LLMs**, enabling natural-language access to operational data. Led **agent orchestration and data-flow design**, cutting reporting effort from **~1 week to under 1 minute**.
- **Built and maintained** a **geo-based ticket management system** handling **50,000+ monthly field tasks**, improving uptime SLAs and reducing on-site reporting effort by **50%** for utility-scale solar clients.
- **Implemented event-driven architecture foundations** by building **Kafka-like consumer group semantics** on **ActiveMQ + STOMP**, forming the **core backbone** for asynchronous workflows across the SaaS platform.
- **Led delivery and ownership** of a **version-controlled document management system** used by **150+ enterprise users**, reducing approval cycles by **50%** and minimizing email-based workflows.
- **Collaborated cross-functionally** with teams across **US, EU, and UAE; mentored junior engineers** and improved **engineering standards, CI/CD automation, and release processes.**

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, Go
- **Backend & Infra:** Node.js, FastAPI, Express.js, Microservices, REST, Redis
- **Distributed Systems & Data:** ETL, Data Warehousing, System Design, Event-driven architecture
- **Cloud & DevOps:** AWS (EC2, S3, Lambda), Docker, CI/CD
- **AI & 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