ANUJ NAIR

Full-stack & AI Platform Engineer · PMP

Durg, Chhattisgarh, India · Open to relocation and client-site travel
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SUMMARY

Full-stack and AI platform engineer who builds production software and puts LLMs inside it: agent workflows, RAG pipelines, and ERP/logistics platforms. Background in civil and infrastructure delivery, most recently on a $20M+ international programme. PMP-certified.

EXPERIENCE

Systems & Operations Engineer
SEP 2025 – SEP 2026

Tunnels & Formworks International (TFI), Italy (remote)

- Managed ERP logistics systems and data workflows across $20M+ of international infrastructure projects.
- Coordinated the Sydney Metro formwork export (five packages, India to Australia) with zero production stoppages.
- Enforced Eurocode and ISO through AI-parsed QA/QC checkpoints and algorithmic vendor qualification, resolving 15+ non-conformances.
- Automated Snowflake and Databricks reporting for stakeholders in Italy, India and Australia, replacing hand-assembled project documentation.

Lead Cloud & AI Systems Architect
MAY 2024 – AUG 2025

Code Canvas, Bengaluru

- Designed and shipped autonomous LLM workflows (OpenAI API, LangChain, RAG) over internal ERP and logistics documents across three business units, cutting manual operational processing time by 40%.
- Ran AWS infrastructure and CI/CD for five mission-critical supply-chain dashboards serving 10+ enterprise stakeholders, sustaining 99.9% uptime.
- Tuned SQL, optimised Snowflake and Databricks pipelines and restructured data access layers, cutting average query response time at peak by ~35%.
- Built the Flask/FastAPI services, Node.js APIs and Angular front-ends around these workflows.

Web & Application Developer
JUN 2022 – MAR 2024

Freelance (Upwork & Fiverr)

- Delivered 25+ web apps and Discord/Telegram bots for clients in eight countries.
- Owned scope from requirements to deployment, keeping a 100% on-time delivery record.

PROJECTS

Aptimizer X
LIVE: apt-69gi.onrender.com

Independent, ongoing

- Built a site-to-city feasibility platform covering site analysis, GIS, FAR/FSI and NBC/IS compliance, quantities and cost.
- Designed planner, structural, MEP, cost and report agents that run feasibility end to end.
- Placed towers on the buildable area with a genetic algorithm working on OpenStreetMap data.

Multi-agent · RAG · Leaflet · OpenStreetMap · Genetic algorithm · 25 documented modules, 5-stage roadmap

Unified ERP / MES / AI Platform

Client project, under NDA

- Built a design analyzer, live shop-floor planner and logistics optimiser with ML-driven 3D bin-packing for container loads.
- Split bin-packing into decoupled FastAPI and Flask services on an async message queue, with AI compute on dedicated workers, after it pinned shared CPU at 100% and froze the database mid-QA.

SKILLS

AI: OpenAI API, LangChain, RAG pipelines, agent and multi-agent workflows

Backend: Python, FastAPI, Flask, Node.js, REST API design, microservices, message queues, Java/Kotlin

Frontend: JavaScript, React, Next.js, Angular

Data: SQL and query optimisation, Snowflake, Databricks, ERP/MES data

Cloud & DevOps: AWS, CI/CD, infrastructure automation

Delivery & domain: PMP, PRINCE2, Agile/Scrum, ERP logistics, Eurocode & ISO QA/QC, GIS/OpenStreetMap

CERTIFICATIONS

PMP — Project Management Professional

PRINCE2

EDUCATION

Engineering Polytechnic — Computer Science & Engineering
SEP 2021 – OCT 2024

Hindusthan Group of Institutions, Coimbatore