

PRANAV GUJAR

Software Engineer — Backend Systems & Applied AI

Python · FastAPI / Django · PostgreSQL · RAG & LangGraph · Docker · AWS

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Summary

Software Engineer with 2.5+ years of experience building and operating production Python systems across SaaS platforms, client applications, and applied AI. Experienced in owning products from requirement gathering through deployment and production support, working directly with clients and cross-functional teams along the way. Built LLM systems in production, including a 17-node LangGraph pipeline and a 120K-chunk Retrieval-Augmented Generation (RAG) system that runs entirely on CPU. Comfortable across API design, databases, Docker, AWS, CI/CD, and release management.

Work Experience

SOFTWARE ENGINEER — Blueport Solutions Pvt. Ltd. — Pune, India

Aug 2025 – Present

- Own end-to-end delivery of the company's core SaaS platform — a multi-tenant, white-label architecture serving multiple tender management firms from a single codebase, with row-level data isolation and role-based access control (RBAC).
- Worked directly with sales, HR, and finance teams to automate the quote-to-cash workflow, linking lead capture, vendor sourcing, engineer allocation, and invoicing into one tracked pipeline.
- Cut average API response time by 70% through Redis caching, database indexing, load balancing, and query optimisation.
- Built an OCR-driven ingestion pipeline that extracts data from legacy spreadsheets and PDFs into PostgreSQL, migrating 5 years of records with zero data loss.
- Shipped a RAG pipeline that ingests tender listings from multiple government and private sources and surfaces only opportunities matching each client's domain.
- Manage deployment infrastructure on VPS with Coolify, hardening it with SSL/TLS, strict access controls, versioned releases, centralised logging, and server monitoring; automation scripts cut deployment time by 20 minutes.
- Extended the platform into hardware monitoring by shipping a Windows agent that detects faults across networked devices, including routers, access points, and IP cameras.

FULL STACK DEVELOPER — Beginning Solutions — Pune, India

Feb 2024 – Jul 2025

- Delivered 6+ client applications end-to-end — translating requirements into technical scope, plans, and timelines, then owning architecture decisions, development, deployment, and post-launch maintenance for each.
- Built RESTful APIs with Django REST Framework and JWT authentication, integrating Razorpay, OpenAI, and Google APIs to power automated workflows and new product features.
- Managed hosting for 10+ production applications on Hostinger VPS and AWS EC2 — Apache configuration, SSL provisioning, Redis caching, cron-based backups, and query optimisation that cut page load times by 30%.
- Managed the full Google Play release cycle across multiple Android apps: app signing, versioning, staged rollouts through internal, closed, and production tracks, pre-release testing, ASO, and crash/ANR monitoring.

Skills

- **Languages:** Python, JavaScript, SQL.
- **Backend & APIs:** FastAPI, Django, Django REST Framework, RESTful APIs, Pytest.
- **Applied AI:** LangGraph, RAG Pipelines, Hugging Face Ecosystem, Vector Search (ChromaDB), Langfuse, ONNX Quantization (INT8).
- **Databases & Data Stores:** PostgreSQL, MySQL, MongoDB, Redis, PgBouncer, Database Migrations.
- **Distributed Systems & Infra:** RabbitMQ, Temporal, Background Workers, Async Task Queues.
- **Cloud & DevOps:** AWS (EC2, S3, Elastic Beanstalk, RDS, VPC, Route 53, IAM), Linux (Ubuntu), Git/GitHub, GitHub Actions, CI/CD Pipelines, Docker.

Projects

EIGENN — AI Evaluation Platform for Competitive-Exam Institutes

2026

Tech Stack: FastAPI, PostgreSQL, PgBouncer, Redis, RabbitMQ, Temporal, LangGraph, ONNX, React, TypeScript, Razorpay, Vercel, Cloudflare.

- Built a multi-tenant platform (demo.eigenn.in) that automates competitive-exam answer evaluation, with a human reviewer approving every AI result before it reaches a student.
- Architected the backend as 10+ containerised services on a private IPv6 mesh with a React/TypeScript SPA, running long-running evaluation workflows on Temporal for durable execution.
- Engineered a 17-node LangGraph evaluation pipeline with cyclic self-review, typed failure-state handling, and per-node checkpoint/resume, instrumented with Langfuse for tracing and evaluation observability.
- Built a RAG system over 120K+ chunks using Hugging Face ecosystem (BGE-M3) and cross-encoder reranking, converting inference to ONNX Quantization (INT8) to execute on CPU within a 300MB RAM footprint, eliminating GPU hosting costs.
- Implemented idempotent Razorpay payment flows over an append-only ledger so retries are safe, backed by 150+ automated tests covering failure states and contract tests catching AI-output mismatches.

ALGO PY — MARKET ANALYSIS PLATFORM

2025-2026

Tech Stack: Python, Django 5, Pytest, SQLite, Bootstrap 5, Docker, GitHub Actions, Render, Playwright.

- Built a screening engine covering NSE, BSE, F&O, and mutual funds with 15 rule-based strategies spanning technical, breakout, and valuation analysis.
- Engineered a committed-snapshot pipeline in GitHub Actions that bakes market data into each deployment, serving ~22,000 instruments in under 0.3s on a resource-constrained 512MB host, completely eliminating external API dependencies, costs, and rate limits.
- Orchestrated scheduled GitHub Actions workflows on daily post-market, weekly, and monthly cadences to refresh price, fundamentals, and corporate-action data, so screening results stay current without manual intervention.
- Automated data acquisition with Playwright across fragmented sources with no public API, normalising inconsistent formats into a single reliable dataset.
- Backtested all 15 strategies against historical market data with an automated Pytest suite, and validated valuation models against source spreadsheets using golden tests to catch calculation drift before release.

DAILY MESS FOR U (DMFU)

2024-2025

Tech Stack: Linux (Ubuntu), Python, Shell, Google Play Console, Figma, MongoDB.

- Built and shipped a mess-management app to the Google Play Store, owning the full lifecycle on an Ubuntu VPS — Apache, SSL automation, domain routing, and Shell scripts for automated backups and self-healing health checks.
- Migrated the production database off a legacy schema using Python scripts written for the job, keeping existing user records intact.
- Designed the app's interface in Figma and handled the full Play Store release — app signing, versioning, staged rollout, and post-release crash monitoring.

Certifications

AWS CERTIFIED CLOUD PRACTITIONER — Amazon Web Services — **March 2024**

AWS RE/START GRADUATE — Amazon Web Services — **Feb 2024**

Education

MASTER OF BUSINESS ADMINISTRATION (BUSINESS ANALYTICS) — Pune University, Pune.

2022 – 2024

CGPA: **8.02**

BACHELOR OF SCIENCE (COMPUTER SCIENCE) — Pune University, Pune.

2019 – 2022

CGPA: **7.37**