

Rajat Raghav

+91-9971794844 | rajatraghav07@gmail.com | linkedin.com/in/rajat7raghav | github.com/tensorajai

PROFESSIONAL SUMMARY

Product Engineer with 2+ years specialising in Agentic AI, LLM orchestration, and scalable backend architecture. Sole engineer on a \$300K enterprise engagement, built and shipped three production AI systems processing 1M+ documents, cutting legal review time by 60% and enabling 5x faster risk detection using LangGraph, LangChain, Agentic RAG, and FastAPI on AWS.

SKILL SUMMARY

- 2+ years building production AI-driven contract intelligence platforms and agentic workflow systems at Legitt AI.
- Extensive experience designing and maintaining multiple FastAPI microservices in production across distributed teams.
- Hands-on experience architecting agentic AI workflows, multi-agent systems, RAG pipelines, and LLM orchestration at scale.
- Proficient in building real-time async streaming APIs for LLM-powered applications under concurrent load.
- Extensive experience with AWS infrastructure: EC2, S3, Amplify, CloudFront CDN, and Elasticsearch.
- Hands-on experience designing CI/CD pipelines with zero-downtime deployments across frontend and backend.
- Extensive experience in distributed systems: RabbitMQ, Celery, custom load balancing, and async processing.
- Proficient in OpenTelemetry-based distributed tracing and logging across microservices.
- Hands-on experience with vector databases (Qdrant, FAISS), Knowledge Graphs, and semantic search.
- Proficient in front-end development: React.js, Next.js, Redux, TypeScript, and React Flow.
- Experience in direct enterprise client engagement: requirement gathering, demos, and technical scoping.
- Proven ability to independently own and deliver high-value engagements end-to-end.
- Strong communicator across engineering, product, and client-facing teams.

EMPLOYMENT DETAILS

Employment History	Designation	Period
Legitt AI	Product Engineer	Jan 2024 – Present

TECHNICAL SKILLS

AI & LLM	LangChain, LangGraph, Agentic RAG, Qdrant, FAISS, Sentence Transformers, Prompt Engineering,
Backend	Python, FastAPI, Node.js, Java, REST APIs, Pytest, Async Processing
Frontend	React.js, Next.js, Redux, TypeScript, React Flow
Distributed Systems	RabbitMQ, Celery, Load Balancing, Microservices Architecture, OpenTelemetry
Cloud & DevOps	AWS (EC2, S3, Amplify, CloudFront, Elasticsearch), Docker, Jenkins, NGINX, CI/CD, Bash
Databases	MongoDB, MySQL, Firebase, Qdrant, FAISS, Elasticsearch
Security & Infra	AWS IAM, Least-Privilege Access Control, Cloudflare, Firewall Configuration
Other	Knowledge Graphs, Semantic Search, Vector Embeddings, LLMOps, Fine-Tuning

PROJECT EXPERIENCE

Project #1	Bulk Analyzer - Agentic AI Analytics System
Client	Enterprise Client (Contract Intelligence Platform)
Role	Sole Engineer - \$300K Enterprise Engagement
Scale	1M+ Contracts & Documents
Duration	Jan 2024 - Present

Project Abstract: Served as sole engineer on a \$300K enterprise engagement, built and shipped an AI-driven bulk document analytics platform currently processing over 1 million contracts. Architected complex agentic AI workflows and LangGraph state machines to automate contract ingestion, semantic clause compliance, and risk anomaly detection. Designed high-throughput distributed architectures via RabbitMQ + Celery, while constructing Knowledge Graphs to visualize Contract Families and parent-child entity relationships on the frontend.

Responsibilities:

- Architected multi-agent agentic workflows using LangGraph state machines with cyclic reasoning loops, fallback nodes, and contextual state hydration, ensuring robust processing across 1M+ complex and unstructured contract documents.
- Engineered Agentic RAG pipelines using LangChain + Qdrant vector search for semantic extraction of payment terms, obligation clauses, and risk anomalies, replacing brittle rule-based algorithms.
- Built custom load balancing algorithms over RabbitMQ + Celery, transitioning blocking ingestion into fully parallelized async execution streams across ML inference worker nodes.
- Designed a MongoDB-backed contract hierarchy engine using vector traversal to resolve deeply nested Contract Family parent-child relationships semantically.
- Pioneered interactive Knowledge Graphs via React Flow + Redux, rendering contract ecosystems as hierarchical topology maps to surface implicit cross-document entity relationships.
- Delivered FastAPI-powered executive compliance dashboards with semantic risk vectors and clause analytics, cutting review cycles from days to minutes.
- Led enterprise client meetings translating agentic AI capabilities into sprint-level deliverables across legal, product, and engineering stakeholders.
- *Tech Stack: Python, FastAPI, LangChain, LangGraph, Qdrant, Agentic RAG, RabbitMQ, Celery, MongoDB, React, Redux, React Flow, Docker, AWS EC2/S3.*

Project #2	AI Contract Review Engine - Compliance & Risk Analysis
Company	Legitt AI
Role	Product Engineer
Duration	Jan 2024 - Present

Project Abstract: Architected a specialized, single-contract deep-analysis engine: a precision counterpart to the bulk Repository Analyzer, delivering real-time, clause-level legal intelligence via agentic AI workflows. Automates end-to-end contract review: from structured clause extraction and financial term parsing to multi-perspective risk scoring and compliance gap detection, reducing manual legal review time by 60% and enabling clients to flag high-risk terms 5x faster.

Responsibilities:

- Engineered real-time LLM streaming endpoints using async FastAPI for live clause-by-clause compliance feedback with zero UI blocking under concurrent load.
- Built Agentic RAG pipelines using Qdrant + Sentence Transformers to extract financial terms, payment schedules, and binding obligations from unstructured legal prose.
- Designed a semantic risk scoring engine using NLP and prompt-engineered LLM calls cross-referencing clauses against corporate playbooks, reducing legal review time by 60%.
- Pioneered a multi-perspective analysis system via parameterized LangChain prompt orchestration evaluating contracts from distinct negotiating stances, enabling 5x faster risk flagging.
- *Tech Stack: Python, FastAPI, LangChain, Qdrant, Sentence Transformers, Agentic RAG, NLP, Prompt Engineering, Async Processing, MongoDB.*

Project #3	AI Contract & Proposal Generator - Agentic Document Generation Platform
Company	Legitt AI
Role	Product Engineer
Duration	Jan 2024 - Present

Project Abstract: Developed an industry-grade AI-powered document generation platform producing legally-compliant contracts and proposals in under 10 seconds, across 1,000+ templates, 25+ languages, and multiple jurisdictions. Built on an Agentic framework with intelligent clause selection, the system autonomously inserts jurisdiction-aligned legal references and compliance language, eliminating manual drafting overhead for legal and sales teams.

Responsibilities:

- Built an agentic generation engine using FastAPI to assemble legally-compliant contracts and proposals from 1,000+ templates in under 10 seconds.
- Implemented multilingual NLP pipelines supporting 25+ languages with automatic jurisdiction-aligned clause insertion and legal reference mapping per region.
- Designed a MongoDB-backed template management system with dynamic clause substitution and rule-based compliance enforcement across industries and jurisdictions.
- Optimized async FastAPI background workers for sub-10-second generation under concurrent load, with Pytest-validated error recovery ensuring output fidelity.
- *Tech Stack: Python, FastAPI, LangChain, Agentic AI Framework, Prompt Engineering, MongoDB, React.js, Multilingual NLP, Pytest, REST APIs.*

ACADEMIC CREDENTIALS

Qualification	Institution	Year	Score
MCA (Master's)	TIET, Patiala	2024	CGPA: 9.95 / 10.0
B.Sc. (Hons.) Physics	Amity University, Noida	2021	CGPA: 8.77 / 10.0
CBSE XII	DPS, Ghaziabad	2018	88%

HONORS & AWARDS

- Merit Scholarship: Ranked top of the batch consecutively for two years at TIET (2022–23, 2023–24).