RAHUL YADAV

Applied AI Engineer | Architecture, Applied AI & Evaluation

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PROFILE

Applied AI engineer with 9+ years across software, test automation, and AI engineering. Designs and builds banking systems for API integration, retrieval, transaction categorization, and test generation, with a focus on architecture, evaluation, and operational reliability.

Open to: Staff AI Engineer, Forward Deployed Engineer, AI Agent Harness & Evaluation Engineer, AI / Solutions Architect, AI Engineering Lead, and AI Engineering Manager.

EXPERIENCE

Backbase | Jun 2023 - Present
Applied AI Engineer | Jun 2024 - Present

Designed and delivered retrieval and API operation-matching workflows using knowledge graphs, embeddings, and Azure OpenAI. Built AI services for transaction categorization and test generation.

Developed and operated Python services using FastAPI, Django, Celery, and Kubernetes, with Prometheus and Grafana monitoring.

Senior QA Engineer | Jun 2023 - Jun 2024
Built reusable banking test automation with Java, Selenium, Cucumber, and REST Assured.

Intersoft Data Labs | Senior Test Analyst | Jul 2021 - Jun 2023
Bed Bath & Beyond assignment: led UI and API automation, coordinated team work, reviewed code, and improved regression and sanity suites using Java, Selenium, REST Assured, Cucumber, Maven, and Jenkins.

Infosys | Test Analyst | Feb 2017 - Jul 2021
Built Selenium Page Object Model frameworks, cross-browser and parallel tests, API checks, test data, and reporting with Java, TestNG, Maven, Oracle SQL, Jenkins, and Postman.

TECHNICAL SKILLS

AI: RAG, LangGraph, LangChain, Azure OpenAI, LLM evaluation, guardrails, scikit-learn, LightGBM.
Data & services: Python, Java, SQL, TypeScript, FastAPI, Django, Celery, PostgreSQL, Redis, Neo4j, Weaviate, FAISS, pgvector, OpenAPI.
Delivery: Azure, Kubernetes, Docker, GitHub Actions, Jenkins, Prometheus, Grafana.
Quality: Selenium WebDriver, REST Assured, Cucumber, TestNG, JUnit, Maven, Postman.

SELECTED PROJECTS

Sentinel-Fi: Financial audit workflows, classification traces, and approval-gated cleanup. Python, FastAPI, LangGraph, PostgreSQL.
Transaction AI: Rules, ML, and selective LLM routing for transaction categorization. Python, FastAPI, LightGBM, Next.js.
Banking RAG Lab: Public code sample for OpenAPI indexing and local keyword retrieval over dummy specifications.

EDUCATION

B.Tech, Electronics & Communication Engineering | PSIT Kanpur | 2016