RAHUL SETH

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SUMMARY

GenAI Engineer with proven track record delivering 3 production AI systems serving 500+ users, driving enterprise-wide AI transformation with C-Suite backing. Expert in OpenAI models, Azure Services, and multi-agent architectures using LangChain, Agno, and Llama.cpp frameworks. Led development of AI automation platform saving 1,500+ hours annually through web applications for internal stakeholders. Strong Python backend developer with experience deploying scalable AI solutions on Azure, combining technical and product leadership to transform business processes.

WORK EXPERIENCE

Baker Hughes   **India**
GenAI Leader   *Mar'25 – Present*

- Led AI transformation and delivery at BH by building Mistral 7B POC analyzing docs against 30+ criteria, secured C-Suite buy-in
- Architected end-to-end GenAI platform with Azure AI and OpenAI GPT services, RAG pipeline, and conversational AI interface
- Led 2-engineer team developing Python/FastAPI backend, React frontend, comprehensive AI analysis for test documents
- Deployed production system reducing validation from 6-8 hours to minutes, projected to save 1,500+ hours annually
- Driving enterprise adoption through weekly C-Suite sessions and AI-first strategy across 5+ product lines

Software & Product Engineer   *Sep'23 – Present*

- Retained through strategic Ireland-to-India relocation; expanded leadership and consulting responsibilities across 5 products
- Developed Python-based simulation services and data analytics pipeline for smart analyzers, reducing testing cycles by 60%
- Drove product design across 7 products, implemented user-centric design processes that improved user engagement by 30%
- Lead for 2 products (team of 4 developers); managed releases, security reviews, TouchGFX UI/UX, and C++ backend development
- Introduced CI/CD automation for builds, releases, and PR workflows; saving 1-2 hours per PR across 300-400 PRs/project

Baker Hughes   **Ireland**
Software Engineer   *Aug'22 – Aug'23*

- Joined as a Graduate Software Engineer and was rapidly promoted to SWE within 5 months
- Developed Windows UI/UX simulator with 10+ key features, used to train 30+ product specialists; reduced time-to-market by 3 months
- Built Python simulator for 20 proprietary algorithms, reduced testing by 60% and caught critical error pre-hardware testing, saving costs

Global Strategic Law Council   **India**
AI Product Leader - Pro Bono   *Jan'25 – Present*

- Cornell/Parsons-backed NGO providing pro bono legal aid to communities affected by climate mobility issues
- Led product discovery with 6 lawyers, defined user personas, created PRD for AI-powered case review app with iterative feedback loops
- Developed document summarization system using Gemini/OpenAI SDKs, reduced lawyer review time from 8-10 hours to minutes
- Architected full-stack legal platform using React/JavaScript, Python/FastAPI, and PostgreSQL with feedback collection

EDUCATION

Trinity College, Dublin   **Ireland**
BAI Computers Engineering

- **Activities:** VP Indian Society, Lead Formula Trinity, Voluntary Tuition Program, Sustainability project top 5 in class

SKILLS

GenAI: OpenAI SDKs, Agno, LangChain/Graph, Llama CPP, Embeddings, LLMs, Spacy, HuggingFace, Gemini SDKs, Scikit-learn
Programming: Python, Shell/Batch/Make, C/C++, SQL, PostgreSQL, Git, Static Analysis
Frameworks/Infra: Docker, Azure, GCP, Linux/Unix, React, Figma, FastAPI, Parasoft, Git Actions

KEY PROJECTS

AI Test Case Validator - QA Automation Platform   **India**

Project Leader   *Mar'25 – Present*

- Led business and technical aspects; convinced CTO through business case and secured 2 engineers to automate 600+ test cases
- Built E2E QA platform; used Mistral 7B for POC, scaled to production with Azure OpenAI, Docker, and VMs with database integration
- Architected unified platform for test uploads, AI analysis, approvals, and feedback - created *GitHub for functional testing*
- Implemented statistical metrics & agentic RAG architecture with FAISS vector database for pattern recognition across 29 evaluation criteria
- Delivered application projected to save 1,500+ engineering hours annually; reduced document validation time from 6-8 hours to minutes

HygroPro XP - Smart Moisture Analyzer   **India**

Technical Lead   *Jan'24 – Oct'24*

- Took over mid-project after lead's departure, launched 2 major releases; $500K generated within 6 months
- Led a team of 3 developers, delivering 10 high-priority features and resolving 20+ bugs for the second release
- Developed Python-based data processing service for sensor analytics; reduced testing time by 1 month & improved accuracy by 15%
- Improved code modularity & application reliability by refactoring a monolithic 6000-line file; reduced its size by 33%

XMTCpro - Smart Gas Analyzer   **Ireland, India**

Consulting Engineer   *Aug'22 – Sep'24*

- Designed & developed the complete UI/UX, encompassing 17 menu types & 12 core features; generated $400K+ revenue in 2 months
- Partnered with product and technology teams to develop features & workflows focused on minimizing user errors
- Resolved 70+ bugs, including 40 critical issues within a focused 2-month period, significantly improving software stability
- Led SAST & OSAT reviews for 7+ software releases, ensuring compliance and owning frontend design reviews
- Oversaw static analysis (MISRA C compliance) & collaborated with an external agency to achieve SIL 2 certification