

RAHUL SETH

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SUMMARY

Full-stack engineer with AI expertise, delivered \$2M+ in product revenue and currently leading AI initiatives. Proven track record drawing roadmaps for AI integration to improve tooling, ways of working, and operational efficiency across cross-functional teams. Current AI platform projected to save over 1,500 hours annually through intelligent automation and data-driven decision making frameworks. Background building consumer products in energy tech, collaborating closely with product managers to enhance user experiences.

WORK EXPERIENCE

Baker Hughes

Software Engineer

India

Sep'23 – Present

- Retained through strategic Ireland-to-India relocation; expanded leadership and consulting responsibilities across 5 products
- 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
- Authored 5+ design records and led adoption workshops, standardizing algorithms and policies across product teams company-wide

AI Initiative Leader

Mar'25 – Present

- Identified 6 bottlenecks for AI integration, developed business case and secured C-Suite approval for multi-project AI transformation
- Designed company-wide AI-first strategy targeted process automation and transparency, focussed on pain points from previous products
- Delivered first AI POC projected to save 1,500+ engineering hours annually using HuggingFace, FastAPI, React, and Agno frameworks
- Led stakeholder alignment through weekly C-Suite sessions and cross-functional learning workshops to drive AI adoption

Baker Hughes

Software Engineer

Ireland

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

AI Product Leader - Pro Bono

India

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

BAI Computers and Electronics Engineering

Ireland

2018 – 2022

- **Dissertation:** Statistical analysis of cryptographic data using Python to detect anomalous patterns and assess vulnerability risks
- **Activities:** VP Indian Society, Lead Formula Trinity, Voluntary Tuition Program, Sustainability project top 5 in class

SKILLS

Programming: Python, Shell/Batch/Make, C/C++, SQL, PostgreSQL, Git, JavaScript, Static Analysis

Frameworks/Infra: Docker, Azure, GCP, Linux/Unix, React, Figma, FastAPI, Parasoft, Git Actions

AI: OpenAI SDKs, Agno, LangChain, RAG, LLMs, Spacy, HuggingFace, Gemini SDKs, Scikit-learn

KEY PROJECTS

AI Test Case Validator - QA Automation Platform

India
Mar'25 – Present

Project Leader

- 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
Jan'24 – Oct'24

Technical Lead

- 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
Aug'22 – Sep'24

Consulting Engineer

- 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