RAHUL SETH

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SUMMARY

Full-stack engineer with extensive product experience across legal, energy, and D2C sectors, leveraging AI for business transformation. In my current role as a product engineer, I identified opportunities to establish AI platforms that complement engineering workflows, eliminating 1,500+ hours annually and generating $900K+ revenue. Outside work, I collaborate with lawyers building legal tech solutions that reduce document review time from 8-10 hours to minutes using RAG and intelligent processing.

WORK EXPERIENCE

Baker Hughes   **India**

Software Engineer   *Sep'23 – Present*

- Retained through strategic Ireland-to-India relocation with expanded leadership and consulting responsibilities across 5 products
- UI/UX leader for 7 products, introduced Figma-based collaboration that reduced user errors by 30% and accelerated development
- Introduced CI/CD automation for builds, releases, and PR workflows; saving 30-40 minutes per PR across 300-400 PRs/project
- Authored 5+ design records and led adoption workshops, standardizing algorithms and policies across product teams company-wide
- Built Python graphics engine converting Figma SVG mockups to graphics code, enabling rapid prototyping across development teams

AI Initiative Leader   *Mar'25 – Present*

- Identified 6 bottlenecks for AI integration, developed comprehensive business case and secured CTO approval for multi-project roadmap
- Implemented AI code reviews using GitHub Copilot; custom instructions to enforce coding guidelines, achieving 95% compliance
- Delivered first AI deployment projecting 1,500+ engineering hours saved annually, establishing proof-of-concept for broader adoption
- Drove stakeholder alignment across SME, QA, and developer teams through requirements gathering and change management workshops

Baker Hughes   **Ireland**

Software Engineer   *Aug'22 – Aug'23*

- Joined as a Graduate Software Engineer and was rapidly promoted to SWE 1 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
- Collaborated with 6 lawyers to define PRD for AI-powered case review system with hallucination detection and feedback mechanisms
- Developed document summarization system using Gemini/OpenAI APIs, 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 and Electronics Engineering   *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
Technologies: OpenAI SDKs, LangChain, RAG, LLMs, Docker, Azure, Agno, Spacy, HuggingFace, Figma, Linux/Unix React

KEY PROJECTS

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

Technical Lead *Mar'25 – Present*

- Developed business case and secured CTO approval to lead cross-functional team automating 600+ test cases across 5+ product lines
- Architected end-to-end AI system replacing manual QA workflows, reducing document validation time from 6-8 hours to minutes
- Built AI anomaly detection system using Gemini identifying irregular patterns across 29-criteria; eliminated manual review entirely
- Implemented agentic RAG architecture with FAISS vector database and embeddings for intelligent test case classification
- Creating intelligent version control platform eliminating email/Teams workflows, projected to save 1,500+ engineering hours annually

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