RAHUL SETH

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SUMMARY

Full-stack engineer with AI and product expertise, having delivered $2M+ in product revenue and currently leading AI initiatives that save 1,500+ engineering hours annually. Proven leadership experience managing teams and securing C-level buy-in for enterprise automation platforms across legal, energy, and technology sectors. Specializes in building AI solutions that integrate with existing workflows, focused on scaling intelligent automation for emerging markets.

WORK EXPERIENCE

Baker Hughes — **India**
Software Engineer — *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%
- 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 projected to save 1,500+ engineering hours annually, established 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
- 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 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, Autogen, 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-powered analytics system using statistical frameworks to identify irregular patterns across 29-criteria, enabling data-driven decision making
- 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