

RAHUL SETH

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SUMMARY

Engineer who builds software products for green energy and hydrogen technology, with additional pro bono work developing AI solutions for lawyers. My unique strength lies in bridging technical complexity with business value, whether developing customer-facing products or optimizing internal workflows. I take a customer-driven approach for new products while applying the same methodology to internal customers - identifying bottlenecks and architecting solutions.

At Baker Hughes, I evolved from collaborating with product managers to leading the entire UI/UX portfolio, while simultaneously leading AI initiatives that save 1,500+ engineering hours annually. At GSLC, I deliver AI solutions that lawyers actually love using. I excel at turning complex technical problems into elegant solutions through stakeholder management, technical architecture, and cross-functional collaboration.

WORK EXPERIENCE

Baker Hughes

Software Engineer

India

Sep'23 – Present

- Retained through strategic Ireland-to-India relocation with expanded leadership and consulting responsibilities across 5 products
- Delivered 5 products in under 3 years with 3 successful market releases; served as lead on 1 and critical contributor on 2 major projects
- Led technical product management for 4 projects; owned complete UI/UX portfolio and production releases across product lines
- Introduced CI/CD automation for builds, releases, and PR workflows; saving 30-40 minutes per PR across 300-400 PRs per project
- Authored 5+ design records including hygrometry algorithms, password policy now standardized across all products company-wide
- Built Python graphics engine converting Figma SVG mockups to graphics code, enabling rapid prototyping across development teams
- Developed core features for data logging and user journey optimization with focus on customer experience improvements

AI Initiative Leader

Mar'25 – Present

- Identified 6 bottlenecks for AI integration, developed comprehensive business case and secured CTO approval for multi-project initiative
- Spearheaded company-wide AI transformation, leading assigned team of 2 engineers across 5+ active product lines
- Established AI-first development standards and technical architecture patterns for LLM integration across organization
- Drove stakeholder alignment across SME, QA, and developer teams through requirements gathering and change management workshops
- Delivered first AI deployment projecting 1,500+ engineering hours saved annually, establishing proof-of-concept for broader adoption

Baker Hughes

Software Engineer

Ireland

Aug'22 – Aug'23

- Joined as a Graduate Software Engineer and was rapidly promoted to SWE 1 within 5 months
- Introduced Figma-based design reviews with product managers, improving design quality by 85% and reducing iteration time by 60%
- 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 AI case summarizer processing 200-600 page legal documents, reducing lawyer review time from 8-10 hours/case to minutes
- Built React frontend with Python backend and PostgreSQL database for feedback collection and iterative LLM improvements
- Collaborated with lawyers to define product requirements and optimize user workflows for case analysis capabilities
- Deployed and managed cloud infrastructure on Digital Ocean with domain configuration, SSL certificates, and application hosting

KEY PROJECTS

AI Test Case Validator - QA Automation Platform

India
Mar'25 – Present

Technical Lead

- Developed business case and secured CTO approval to lead cross-functional team automating 600+ test cases across 5+ product lines
- Building end-to-end AI system replacing manual QA workflows, reducing document validation time from 6-8 hours to minutes
- Built RAG knowledge system with embeddings for test case classification and active learning pipeline with human-in-the-loop feedback
- Built multi-LLM system with Llama/GROQ automating 29-criteria validation/test case; eliminated manual QA review entirely
- Creating intelligent version control platform eliminating email/Teams workflows, projected to save 1,500+ engineering hours annually

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

EDUCATION

Trinity College, Dublin

Ireland
2018 – 2022

BAI Computers and Electronics Engineering

- **Dissertation:** Survey & analysis of cryptographic keys on port 25 using Python to identify weak keys and improve security
- **Activities:** Indian Society, Formula Trinity, Voluntary Tuition Program
- Group project ranked Top 5 in class, advanced to EU competition. Developed a sustainable water solution for water-scarce countries

SKILLS

Programming: Python, C/C++, XML, SQL, Git, Shell/Batch, JavaScript, TeX, Static Analysis
Technologies: Figma, Agno, LangChain, RAG, LLMs, Docker, Parasoft, PostgreSQL, Linux, React, Cloud Platforms, TouchGFX, Git Workflows