

RAHUL SETH

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SUMMARY

I'm Rahul - a technical solutions leader who thrives on understanding products deeply and working with diverse stakeholders to deliver exceptional customer experiences. While my background is in engineering, I've discovered one of my biggest strengths is being the bridge between commercial and engineering teams. At Baker Hughes, what started as collaborating with product managers evolved into me leading the entire UI/UX portfolio because of my customer-centric approach, while at GSLC I worked directly with lawyers to deliver AI solutions they actually love using. I thrive on turning complex technical problems into elegant, user-focused solutions through stakeholder management, technical architecture, and cross-functional collaboration.

WORK EXPERIENCE

Baker Hughes

India

AI Initiative Leader

Jan'25 – Present

- Developed business case for AI-driven QA automation, secured CTO approval to lead cross-functional initiative across 5+ active projects
- Engaged with internal customers across SME, QA, and developer teams to gather requirements and optimize solution adoption
- Led development of end-to-end AI test validator automating 600+ test cases, projected to save 1,500+ engineering hours annually
- Built intelligent version control platform replacing email/Teams workflows with centralized collaboration for functional testing
- Developed Python-based system reducing testing cycle time for 20-30 page documents while improving cross-team collaboration

Software Engineer

Sep'23 – Present

- Retained through strategic Ireland-to-India relocation with expanded leadership and consulting responsibilities across 4 product lines
- 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 now standardized across all moisture 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
- Designed enterprise password policy standardization for products, affecting 10+ devices with unified access levels and user profiles

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
- Part of smart analyzers projects; worked in a hybrid Agile environment & used Agile tools for feature breakdown
- Developed backend simulation services using Python, optimizing data processing and automation pipelines
- Created the product line's first icon-based GUI, optimized for small monochrome displays; reduced user errors by 30%

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 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

Ericsson

India

AI Intern

Jun'21 – Aug'21

- Built clustering-based query classifier to categorize internal IT requests, enabling efficient routing and resolution of issues
- Designed NLP preprocessing pipeline with TF-IDF vectorization (Scikit-learn & NLTK) and k-means clustering for query classification

KEY PROJECTS

AI Test Case Validator - QA Automation Platform

India

Technical Lead

May'25 – Present

- 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
- Creating intelligent version control platform eliminating email/Teams workflows, projected to save 1,500+ engineering hours annually
- Architected Python/FastAPI backend with PostgreSQL database, integrating Llama/GROQ LLMs and RAG for document processing

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

EDUCATION

Trinity College, Dublin

Ireland

BAI Computers and Electronics Engineering

2018 – 2022

- **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, Docker, Parasoft, PostgreSQL, Linux, React, Protege, Cloud Platforms, TouchGFX, Git Workflows