RAHUL SETH

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SUMMARY

Engineer blending embedded systems expertise, AI development, & Twilio API experience for building scalable communication platforms. Expert in DevOps & full-stack development: CI/CD automation, Docker containerization, & production system monitoring. Delivered 3 energy products & 2 AI apps with measurable performance optimization & workflow improvements.

WORK EXPERIENCE

Baker Hughes   **India**
Lead AI Engineer - Full Stack + AI   *Mar'25 – Present*
- **TL;DR:** Identified roadblocks, pitched AI to C-Suite, delivered POC, now leading AI roadmap & development
- Identified 6 bottlenecks in internal processes for AI integration, pitched to C-Suite securing approved AI roadmap through Q4'26
- Led development of AI document review platform; used Mistral/Llama.cpp/Agno, created collaboration platform for authors, QA & SMEs
- Designed E2E document ingestion pipeline implementing OCR, vector DBs, & chunking for enterprise-scale document AI systems
- Architected full-stack solution with 2 interns: Python/FastAPI/PostgreSQL backend, TypeScript/React frontend, Docker/Azure deployment
- Projected to save 1,500+ hours annually and over $30K/project by freeing up senior engineering resources

Software Engineer - DevOps + Web Apps + Embedded Software   *Sep'23 – Present*
- **TL;DR:** Full-stack embedded + web developer leading UI/UX portfolio, DevOps, & delivery across 4 products generating $2M+ revenue
- Led embedded UI/UX development using C/C++/TouchGFX; introduced Figma design reviews improving PM-developer collaboration
- Built first CI/CD pipeline with self-hosted/GitHub runners, saved 1 hr/PR through automated builds, static analysis, and tech debt metrics
- Took over leadership for a product mid way; led 3 developers; delivered 10 high-priority features and 20+ bug fixes on time
- Architected web applications for senior management providing real-time project health metrics and automated reporting dashboards

Baker Hughes   **Ireland**
Software Engineer - Embedded Software   *Aug'22 – Aug'23*
- **TL;DR:** Graduate engineer promoted to SWE in 5 months through hands-on embedded development
- Developed simulator-based development framework using Python and Windows APIs, enabled faster validation for embedded systems
- Built Python data validation service for 20+ hygrometry algorithms, reduced testing time by 60% and caught critical errors pre-hardware
- Retained by organization during planned India relocation after demonstrating strong performance in first engineering role

Global Strategic Law Council   **India**
AI Engineer (Pro Bono) - AI Frameworks, RAG   *Jan'25 – Present*
- **TL;DR:** AI Product Leader collaborating with lawyers to build fast document review tools for pro bono legal aid
- Led product discovery with 6 lawyers in team of 4, defined user personas and created PRD for AI-powered case review application
- Developed document summarization system using Gemini/OpenAI SDKs, reducing lawyer case review time from 8-10 hours to minutes
- Built prod platform with Python/FastAPI, React, Docker on AWS; integrated Supabase DB and Twilio API for automated notifications

EDUCATION

Trinity College, Dublin   **Ireland**
BAI Computers Engineering
- **Activities:** VP Indian Society, Lead Formula Trinity, Voluntary Tuition Program, Sustainability project top 5 in class

SKILLS

AI/ML: OpenAI/Gemini SDKs, Agno, LangChain/Graph, Llama CPP, Spacy, HuggingFace, Embedders & Vector DBs
Programming & Frameworks: Python, Git, PostgreSQL, FastAPI, React, Shell/Batch/Make, Figma, C/C++
Infra & DevOps: Docker, Azure, GCP, Supabase, DigitalOcean, Linux, Sentry, FastAPI, Github Actions, Twilio Whatsapp Sandbox