

Ryan O'Rourke

rorourke688@outlook.com · +44 7714441864 · [linkedin.com/in/rorourke-belfast](https://www.linkedin.com/in/rorourke-belfast) · github.com/rorourke688 · Belfast, UK

SUMMARY

Senior Full Stack Engineer and Tech Lead with 5+ years' experience delivering large-scale public and private sector software, current technical lead on a £20M NHS digital health project at Kainos. Proven track record in full-stack delivery, complex third-party integrations, high-stakes incident management, and driving AI adoption in regulated environments. First-class MEng graduate from Queen's University Belfast.

EXPERIENCE

Senior Full Stack Engineer (Tech Lead) [Kainos](#)

Belfast, UK Oct 2022 – Present

- Tech lead on a £20M NHS project delivering an online patient questionnaire via the NHS App to reduce GP surgery time waste and encourage patients to be more proactive about their health.
- Designing and shipping major epics / third-party integrations; currently leading the PDM/MNS integration — a new flow enabling GPs across the UK to receive and act on third-party patient data updates.
- Provide constructive feedback and rewards to my team to encourage growth, improve morale and foster a fun collaborative environment.
- Led the NHS Go-Live presentation securing sign-off from private beta to full England rollout — commended as the most concise approval the NHS England panel had received.
- Identified an AWS misconfiguration during a P1 incident costing £25k; coordinated a UK-wide resolution call and restored service with no further revenue loss.
- Led 30+ production releases; introduced deployment safeguards and runbooks that measurably reduced release risk.
- Selected for the Kainos AI Pioneer programme; led a team of 5 to 3rd place (of 20) in a company-wide AI Hackathon.
- Mentored junior engineers — two who considered leaving the industry graduated and rejoined as permanent employees.

Backend Engineer [Workflow HR Systems](#)

Vienna, Austria Jun 2019 – Nov 2021

- Owned the travel module; worked with consultants to scope and deliver paid features for enterprise clients including Microsoft and Puma, generating £20k+ in revenue.
- Contributed across the codebase; participated in code reviews, sprint planning, and cross-team design discussions.

SKILLS

Languages

TypeScript, JavaScript, SQL, Bash

Testing

Playwright, Jest, JMeter

AI

Prompt Engineering, Copilot, Claude, MCP

Frontend

React, HTML/CSS, SCSS

Cloud & DevOps

AWS, Docker, CI/CD, CDK

Other

Git, JIRA, Confluence, Postman, NPM

Backend

Node.js, REST APIs

Engineering

System Design, Code Review, Agile

Leadership

Incident & Stakeholder Management, Mentoring, Refinement

EDUCATION

MEng Software and Electronics Systems Engineering: 1st [Queens University Belfast](#)

2017 – 2022