

Rían Errity

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Skills

TECHNICAL SKILLS	INTEREST AREAS	LANGUAGES
Java / React / AWS / Terraform / SQL / Kubernetes / React Native / Node.js / Go / Python / Rust	Backend/Full-stack development, Generative AI Usecases, Software-as-a-Service, Cloud-native environments	English, French (C1)

Experience

Software Engineer – JPMorganChase, Dublin, Ireland	09/2024 — Present
<ul style="list-style-type: none">Leading the implementation of Generative AI across Transfer Agency.Worked Java-based full-stack applications within Fund Services handling billions daily. Now building customized developer and business tooling leveraging GenAIManaged complex infrastructure redesigns necessitated by the EU Essential Services Act.Delivered a new API and Data Access Layer enabling a platform to access on-premises data warehouses from the public cloud (AWS) within the Transfer Agency Business.	
Software Engineer – ABAIR.ie, Trinity College, Dublin, Ireland	06/2022 – 08/2024 (2 years)
<ul style="list-style-type: none">Developed multiple mobile applications using React Native, Postgres and Node.js.Managed and deployed new bare-metal Infrastructure, implemented DevOps processes using Github Actions CI/CD, Github Projects/Issues and Agile methodologies.Developed and released Geabaire, an alternative and augmentative communication tool for Irish used across dozens of schools in Ireland.	
Software Engineering Intern – Microsoft, Tallinn, Estonia.	06/2022 – 09/2022 (3 months)
<ul style="list-style-type: none">Worked on Azure Communication Services, a service for providing telephony services via API, as part of the backend of Microsoft Teams.Developed a suite of synthetic tests for the entitlement service, identifying several critical production issues for a service which is a part of Microsoft Teams and Skype for Business and played a part in extending monitoring capabilities.	
Programming Tutor – Olus Education, Remote, Ireland	03/2021 – 06/2023 (2 years)
<ul style="list-style-type: none">Taught classes to over 300 students aged between 7 - 18 across various subjects including Java, HTML/CSS and Scratch.Developed new content for the older students, including Object-Oriented Programming and Arm assembly language.	

Education

Computer Science, Linguistics and French – Trinity College, Dublin	First Class Honours
<ul style="list-style-type: none">Concerns the combined study of Computer Science, how it pertains to human language (Natural Language Processing, Computational Linguistics) and the study of a foreign language.	Bachelor of Arts (Moderatorship)

Projects

<ul style="list-style-type: none">Geabaire: An Irish AAC System (Mobile Application) – Lead Software Developer, Abair Project Accessibility tools are severely limited for the Irish language. This tool lowers barriers to education and increases access to government services through Irish. This project received funding from The Department of An Gaeltacht as well as The National Lottery. I have published several papers on this subject, including my thesis available here: DOI 10.13140/RG.2.2.34707.90402

Certificates / Awards

<ul style="list-style-type: none">AWS Certified Developer — Associate I have passed the AWS Certified Developer — Associate exam which highlights my knowledge of AWS from a developer's perspective, and integrating full-stack applications across 40 key AWS Services. Credly Link for validation.Hashicorp Terraform — Associate Covers deploying, upgrading and redesigning infrastructure using Terraform, Credly Link for validation.Working towards — Certified Kubernetes Application Developer, Certified FinOps professional I'm always looking to upskill and improve my subject-matter expertise for whatever field I'm working within.
