Rían Errity

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Skills

TECHNICAL SKILLS	INTEREST AREAS	LANGUAGES
Java / React / AWS Certified Developer / Terraform / SQL / Kubernetes / React Native / Node.js / Python	FinTech, SaaS, Backend/Full-stack development.	English, French (C1)

Experience

Software Engineer – JPMorganChase, Dublin, Ireland **09/2024 — Present**
- Working on Java-based full-stack applications within Fund Services.
- 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)
- Developing Mobile Applications using React Native, Postgres and Node.js.
- Managed and deployed new Infrastructure, implemented DevOps processes using Github Actions CI/CD, Github Projects/Issues and Agile methodologies.
- Developed Geabaire, an alternative and augmentative communication tool for Irish.
- Sought and acquired funding for projects to the tune of €250,000 for Geabaire.

Software Engineering Intern – **Microsoft**, Tallinn, Estonia. **06/2022 – 09/2022** (3 months)
- 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)
- 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 **2020 – 2024** Bachelor of Arts (Moderatorship) Received an over-all First-Class Honors (I)
- 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.

Projects

- **Geabaire: An Irish AAC System** (Mobile Application) – Lead Software Developer, Abair Project
  Developed an Irish-language alternative and augmentative communication (AAC) tool to allow non-verbal individuals to be able to produce grammatical, synthetic Irish-language speech. 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

- **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.
- **hackTrinity —** First Place (€1,000 prize)
  Won first place at the biannual hackTrinity hackathon by building a mobile application in React Native to improve political literacy in Ireland by providing educational games, as well as real insights to what TDs are doing.
- **National Lottery Good Cause Awards** — County Winner (€1,000 prize)
  Geabaire won the best Irish-language project in Dublin during The Good Cause Awards.
- **SISTEM Conference**
  Formerly Organized and managed the annual SISTEM Tech Conference for 2022 and 2023.