Ruairi Donnelly Junior .NET Developer

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PROFILE SUMMARY

- **Junior .NET Developer** with **2 years** building **ASP.NET Core services** for an **Irish retail bank**, after **3 years in application support** on public sector .NET systems in Belfast.
- Writes **C#** on **.NET 8** and .NET 10, builds APIs in **ASP.NET Core**, uses EF Core on **SQL Server**, sends messages on Azure Service Bus with MassTransit, and tests with xUnit and Testcontainers.
- Learning **clean architecture** and **CQRS** from the senior engineers, works within **Central Bank of Ireland** complaint handling rules, and writes a failing test for every bug before fixing it.
- Part of a **7-person squad** with 2 senior developers, a business analyst and a tester, plans in **2-week sprints**, and meets the **complaints operations team** weekly to go through case bugs.
- Keeps the squad's **production support runbook** current, walks new joiners through **Application Insights** traces in their first week, and pairs with the tester on **Playwright** checks for the complaints screens.

TECHNICAL SKILLS

Languages & Runtimes:	C#, .NET 8, .NET 10, T-SQL, PowerShell
Web & API Frameworks:	ASP.NET Core Web API, Minimal APIs, Razor Pages (basics)
Data Access & Databases:	Entity Framework Core, LINQ, SQL Server, Dapper (basics)
Architecture & Messaging:	Clean Architecture, MediatR, Azure Service Bus, MassTransit
Cloud & DevOps:	Microsoft Azure (App Service), Azure DevOps, Docker, Git
Testing Frameworks:	xUnit, Moq, FluentAssertions, Testcontainers, Playwright
Security & Observability:	Application Insights, Serilog, Azure Key Vault, OAuth 2.0 (basics)

EDUCATION

Ulster University — BSc (Hons) in Computing Science — Jordanstown, UK · Sep 2017 to Jun 2021

WORK EXPERIENCE

AIB — Junior .NET Developer — Dublin, Ireland · Oct 2024 to Present

- Built **ASP.NET Core** endpoints for the Verification of Payee check customers see before adding a new payee, with OpenAPI docs and request validation, handling **284,000 checks** in the first month.
- Moved the open complaints screen from stored procedures to **EF Core** and added the index the **SQL Server** execution plan called for, cutting load time from 4.2 seconds to **0.6**.
- Upgraded 4 internal services to **.NET 10** before .NET 8 support ends in November 2026, then turned on nullable reference types and fixed the **23 null reference bugs** they exposed.
- Wrote a **MassTransit** consumer on **Azure Service Bus** that sends complaint acknowledgement letters with retries and a dead-letter queue, cutting late letters from 37 a quarter to **2**.
- Split case notes out of a 2,400-line controller into **MediatR** commands and queries using the team's **clean architecture** template, cutting the time to add a complaint type from 4 days to **1**.

Kainos — Application Support Engineer — Belfast, UK · Jul 2021 to Sep 2024

- Traced a memory leak in a public sector client's **.NET** Windows service with memory dumps and **PerfView**, then gave developers the heap analysis, cutting unplanned restarts from 6 a month to **0**.
- Wrote **Playwright** smoke tests for the 12 most used journeys on 3 client web apps and ran them after every release, catching **7 broken releases** before any user reported a problem.
- Moved release checks for 3 client apps into **Azure DevOps** pipelines with approval gates and **Application Insights** availability tests, cutting rollbacks after release from 6 a year to **1**.