

# Frankie Jack Moran

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## Profile

Experienced Software Developer specialising in Angular, TypeScript, and scalable frontend architecture. Proven expertise in building reusable component libraries, dynamic form structures, and backend integrations. Passionate about clean, efficient code and delivering accessible user interfaces. Strong focus on developer experience, code reusability, and best practices in both individual contribution and team settings.

## Key Skills

### Frontend Development

Angular, TypeScript, RxJS, SCSS, HTML5, Content Projection, Reactive Forms, Component Libraries, Jasmine, Karma, Accessibility (WCAG AA)

### Backend Development

Node.js, Express, .NET Core (C#), Java, REST APIs, GraphQL

### Database & Data Handling

SQL Server, Postgres, SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), Entity Framework, LINQ

### DevOps & Tooling

GitHub Actions, Azure DevOps, Webpack, npm, Swagger, CI/CD pipelines

### Low-Code Platforms & APIs

Microsoft Power Platform (Power Apps, Power Automate, Power BI), Microsoft Graph API

### Other Skills

Keycloak, Kogito, Quarkus, Drools, Green Coding Practices, AI-Assisted Development (GitHub Copilot & ChatGPT)

## Recent Projects

### Reusable Component Library for Enterprise Frontend

- Architected a reusable UI component library in Angular to unify design patterns across multiple frontend applications.
- Employed content projection, abstract classes, and shared guards to support extensibility and reusability.
- Drove adoption of green coding practices and achieved high code coverage (98.8%) and SonarQube A-grade compliance.

### 3D Visualisation Platform Enhancement

- Software Engineer | Oil & Gas Sector | 2024
- Refactored an existing frontend application to improve performance and modularity.
- Introduced complex object rendering capabilities in a 3D viewer used for structural visualisation.
- Led improvements to developer onboarding by documenting frontend/backend architecture and integrating AI-generated diagrams.

### Legacy Rewrite & Scheduling Tool

- Migrated a legacy frontend from Backbone to Angular with accompanying backend work in Java.
- Delivered full-stack features including a calendar export tool for end users.
- Led feature demos and "show and tells" with key stakeholders.

### Data Import & Microservice Integration

- Delivered REST and GraphQL endpoints using .NET Core and Postgres for microservice architecture.
- Built a secure Excel importer with Swagger integration to allow non-technical staff to bulk upload data.
- Promoted to mid-level role for leadership in MVP delivery and knowledge-sharing across domains.

## Work Experience

### Senior Software Engineer

CGI IT UK Ltd. | 2021 – Present

- Delivered scalable Angular solutions across finance, public sector, and industrial clients.
- Led frontend architecture design, reusable library creation, and DRY-compliant development practices.
- Built and maintained CI/CD pipelines, unit and integration test suites, and documentation standards.
- Regularly conducted code reviews, sprint demos, and contributed to onboarding and mentoring.

### Software Developer

DC Thomson & Co. Ltd. | 2016 – 2021

- Built internal business-critical MVC applications for news and publishing workflows.
- Integrated SQL Server ETL pipelines for automated reporting and data transformation.
- Developed Power Platform POCs and production solutions, increasing departmental automation and efficiency.
- Represented the team at international tech conferences and stakeholder sessions.

## Education & Certifications

### Education

- **BSc (Hons) Ethical Hacking and Countermeasures**
  - Abertay University (2012 – 2016), Upper Second Class (2:1)

### Certifications

- GitHub Copilot Certified Developer (2025)
- Mental Health First Aider

References available upon request