

Feargal Downey

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Portfolio: <https://feargaldowney.netlify.app/> GitHub: <https://github.com/feargaldowney>

LinkedIn: <https://www.linkedin.com/in/feargal-downey/>

SKILLS

Programming Languages

JavaScript | Python
SQL | C#
Java | HTML

Frameworks & Libraries

React | Node.js
ASP.NET | Express
REST | Spring Boot
GraphQL

Tools & Technologies

Google Cloud | MongoDB
FireBase | Jenkins | MySQL
Git | Docker | Kubernetes

EXPERIENCE

Snap-On Diagnostics Intern Software Engineer

Jan 2023 - Aug 2023

- Automated the Distributed File Sharing System (**DFSR**), reducing manual file transfers **by 5 hours weekly** and enhancing cross-office collaboration between Cork and Romania.
- Spearheaded the redesign of the Atlas Dashboard, **improving** user interface and **performance** by **upgrading dependencies** to .NET6.0 and Blazorise.
- Created and deployed Jenkins jobs, automating stress and smoke test reporting, reducing manual reporting errors by **90%**.
- Debugged** and resolved key errors in stress test results, ensuring accurate reporting and preventing data discrepancies.
- Worked in an **Agile ScrumBan** environment, collaborating with global teams to implement automated testing and reporting workflows.

PROJECTS

- Interactive Speech Therapy Game** - Built a mobile game using **C#, Unity, Firebase**, and **Google's Speech-to-Text API**, reducing patient wait times with **automated speech analysis**.
- Web App for Band** – Developed a **responsive full-stack** web app using **React** and **Firebase** with direct ticket sales and media integrations, improving mobile load times by **20%**.
- Rental Management Service** – Created a **Spring Boot API** to manage student rentals, providing secure role-based access, occupancy tracking, and **CRUD** operations via **REST** and **GraphQL**.
- Portfolio Web App** – Created a personal website using **React**, showcasing projects and integrating GitHub and LinkedIn.

EDUCATION

Bachelor of Science in Software Development

Munster Technological University, Cork

Aug 2020 – May 2024

Grade: 2.1

