

# TIARNAN GUINEE

## SOFTWARE DEVELOPER

### CONTACT



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### EDUCATION

#### MSc Interactive media

##### University College Cork

2019-2020

Computer Science cross-over course.

Technologies studied:

HTML, CSS,  
JavaScript, AJAX, three.js,  
PHP, Processing,  
Python, Swift.

Dissertation: Created an interactive 3D  
Gym Designer for desktop (Three.js, JS,  
CSS, HTML).

#### BE Process & Chemical Engineering

##### University College Cork

2014-2018

Engineering degree focused primarily on  
the processes behind the manufacturing  
of bio/pharmaceuticals, food products,  
fuels.

Final Year Project: Developed a  
mathematical model for an activated  
sludge process (Excel).

### CERTIFICATES

**FDM Academy Tech Industry Gold  
credential for Software Development  
(2022)**

### PROFILE

A diligent and enthusiastic software developer passionate in writing good code and delivering high-quality work in an efficient manner. Approaches problem solving with a logical mindset and is always keen to improve knowledge and learn new technologies.

### RELEVANT WORK EXPERIENCE

#### Software Developer

FDM Group (remote)

October 2023 - March 2024

Developer in scrum team working on development of online learning platform.

- Designing website pages, website flow and user interface elements using Figma.
- Developing pages and user interface components using React.
- Using Java for server-side operations.
- Publishing and merging code using GitLab.

#### Front-end Developer

Shell Energy, Rotterdam

October 2022 - September 2023

Frontend Developer for Shell B2C Energy business, primarily focused on the improvement of the "Upgrade and Renewal" journey where customers can extend their energy contracts via an online account. Contracted through FDM Group.

##### Tasks Include:

- Creating new and improving existing components in site codebase using React (TypeScript).
- Integrating API with frontend to display relevant account and contract information to customer.
- Writing unit tests and e2e tests (Cypress).
- Testing UI with Storybook.
- Publishing code to Github, and deploying to dev/UAT environments.
- Updating site copy using Contentful.
- Creating and implementing surveys into site using GetFeedback.

#### Trainee IT Consultant

FDM Group (Remote)

May 2022 - September 2022

Intensive training covering several programming languages, with a focus on both frontend and backend development, with weekly assessments and a group project at the end of training.

- Modules studied included: React, JavaScript, Thymeleaf, HTML & CSS, Java, Spring Boot, SQL, Python, UNIX
- Developed a student registration application with React which captured new student's details and added/removed them from the system, with the principle of Atomic Design being used throughout development.
- Designed & developed a video-streaming site with vanilla JS, HTML, & CSS.

# TIARNAN GUINEE

## SOFTWARE DEVELOPER

### KEY SKILLS

#### Programming Skills

- React
- JavaScript / TypeScript
- three.js
- HTML
- CSS
- Java
- Spring Boot
- Python
- SQL
- PHP
- AJAX

#### Non-programming Skills

- Git
- UNIX
- Figma
- Contentful
- GetFeedback
- Adobe PremierePro / AfterEffects
- Canva
- Microsoft Word, Excel, PowerPoint

### LANGUAGES

English: Native

Dutch: A1 (beginner)

### INTERESTS & HOBBIES

Video Editing

Music Production

Health & Fitness, Bodybuilding, Running

### OTHER WORK EXPERIENCE

#### Technical Recruiter

**Oxford Global Resources, Cork**

August 2021 - November 2021

Worked with a sales team to identify consultants for various roles in the Biopharmaceutical, Pharmaceutical and Biotechnology industries.

- Introducing company to consultants.
- Interviewing consultants to understand their experience and work preferences.
- Submitting consultants for contract positions based on their skills and client's requirements.

#### Process Engineer

**DPS Group Global, Little Island, Co. Cork**

November 2018 - August 2019

Part of various Project Engineering teams working on a range of pharmaceutical manufacturing projects.

- Technical analysis of vendor bids, to evaluate if they met client specifications.
- Analysed and updated P&IDs (Piping & Instrumentation diagrams).
- Created records of equipment being installed in new manufacturing plant.
- Worked with PM to track team deliverables & identified where additional resources were required.

#### Student Engineer

**LEO Pharma, Little Island, Co. Cork**

April 2017 - September 2017

Work placement in a pharmaceutical manufacturing plant. Worked with various teams including EHS (Environment, Health & Safety), process, & maintenance.

- Applying Lean/six sigma techniques as a means of root-cause analysis and problem solving in various individual and team-based tasks.
- Presenting findings and updating team on progress and changes.
- Updating site maps and P&IDs.
- Updating existing and creating new SOPs (Standing Operating Procedures) for laboratory equipment.