

Ian Holland

Full Stack Web and Software Developer

Mechanical Engineer turned Web and Software Developer, I am an analytically minded person who enjoys solving problems and building websites and apps. I am currently looking for full-time or intern positions to really kick off my career as a web and software developer.

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EDUCATION

Higher Diploma (NFQ Level 8) in Science in Computing - Application in Progress National College of Ireland

09/2019 – 08/2020

Dublin, Ireland

Courses

- Object Orientated Software Engineering
- Computer Architecture Operating Systems and Networks
- Web Design
- Software Development
- Server Side Development
- Data Structures & Algorithms
- Web Services and API Development
- Introduction to Databases
- Advanced Programming

MEng in Mechanical Engineering - Distinction Award Obtained

University of Strathclyde

09/2003 – 08/2008

Glasgow, Scotland

Favourite Courses

- Mathematics
- Mathematical Modelling

WORK EXPERIENCE

Mechanical Design Engineer TAIT

02/2017 – 12/2018

London, UK

TAIT is the world market leader in designing, constructing and delivering live event equipment.

Achievements/Tasks

- Performing mathematical engineering calculations to design and analyse components for theatres, arenas and casinos.
- Writing VBA scripts to automate functions and calculations.

Senior Engineer 2H Offshore

02/2010 – 10/2016

Woking, UK

2H are a world leading engineering consultancy company focused on the design and analysis of offshore oil and gas systems.

Achievements/Tasks

- Led a team of 15 engineers to successfully complete the global analysis scope of a large EPCI engineering project offshore Angola. 🚀
- Performing and automating calculations using Excel VBA

SKILLS

HTML

CSS

JavaScript ES6

Node.js

Express.js

React

Redux

PostgreSQL

Bootstrap

C++

Java

Microsoft Office

VBA

PERSONAL PROJECTS

Dirty Boozers 🚀

- Original project conceived and developed by myself
- Online database for finding old fashioned, classic pubs in London
- Utilises static HTML5, CSS3 and JavaScript. Plans to re-develop using React and databases in preparation for expansion

KeyJam 🚀

- Web app allowing you to play music from your keyboard
- Advancement on the classic drum machine online tutorials
- Utilises HTML5, CSS3, and JavaScript. Plan to add more instruments

RoboFriends 🚀

- Web app displaying robotic avatars built with React and Redux
- Rolodex functionality is included through state updates allowing real-time filtering of the avatars.

FaceBox Face Detection App 🚀

- Web app that identifies a face in an image
- Contains sign in and register options, a number of entries counter, an image url submission form and a face detection API powered by Clarifai
- Developed using React, JavaScript, HTML5/CSS3, Clarifai API, PostgreSQL, Node.js and Express.

CERTIFICATES

The Complete Web Developer in 2019: Zero to Mastery
(04/2019 – 07/2019) 🚀

Udemy Course

INTERESTS

Technology

Music

Football

Geography