

# Gregory Furnell

📍 London, England, United Kingdom ✉️ gfurnell20@googlemail.com ☎️ 07798721299 📧 in/gregory-furnell-258688145/ 🌐 http://gregoryfurnell.co.uk

---

## SUMMARY

---

I'm a technology enthusiast; I enjoy using and learning different technologies. My objective in my career is to expand my knowledge and if possible, I would also like to develop an application which will enhance people's lives.

---

## EXPERIENCE

---

### Software Engineer

#### Vanguard

March 2020 - Present, London

- Actively contributed to the stability and improvement of the PM Tool application as a member of the development team, ensuring smooth operations.
- Collaborate with the equities platform team to refactor and enhance equity applications using NodeJS AWS Lambda and AWS AppSync, effectively optimizing performance, scalability and cost.
- Played a crucial role in the successful implementation of the transformative Fund of Funds Project, converting a spreadsheet solution into a sophisticated web application. Utilized VueJS (TypeScript) for the frontend and developed a robust Java backend in AWS. The project streamlined a previously 3-4 hour business process down to an efficient 30-minute operation. The platform is now utilized across the US, UK, and Australia, managing \$1.3 trillion.
- Feature Team Lead, overseeing the UI refactor and Grid upgrade projects during the Fund of Funds initiative. Effectively coordinated team efforts, ensuring that the refactor kept to the deadlines set by upper management.

### Graduate Software Engineer

#### Daiwa Capital Markets Europe

September 2018 - March 2020, London

- I built and upgraded various Front Office applications such as STP flows and market/reference data components, written in java using Spring Boot and Google Guice.
- Developed a new Support Tool, as an ongoing project I modernised the old support tool and converting it into micro-services on the backend and a web front end using angular 7/8.
- Initial investigation into building an in-house CRM system, designing the prototype and building the full version with a backend REST API with MongoDB.
- Developed custom components for ION, including projects such as the Anvil upgrade which involved upgrading 5/6 components to use the new queue technology, I also updated reference data feeds, and STP flows inside of ION.

### Freelance Software Developer - (Motion Ltd/Coaching 4 All Tennis)

#### Self Employed

June 2016 - June 2018, London, UK

- Motion Ltd - Helped build up a network of current clients and potential clients. Successfully designed and built 5+ new websites for clients.
  - Coaching 4 All Tennis - Designed and developed a new website, featuring all requirements that the customer wanted. I also Increased number of users visiting the website, which lead to an increase in new customers.
- 

## PROJECTS

---

### Garage Guide

Southampton University • May 2018

- For my Dissertation project, I build a web application which would allow customers of garages to book appointments for their cars. I also built an algorithm to automatically assign the jobs to a mechanic with sufficient skills.
- Another part of the application CMS, where the garage would be able to view things like scheduling, producing invoices, and any previous jobs.

### Home App

Personal • January 2020

- Handy admin tool for my home and any others who face similar struggles finding a good app.
  - Built in react and typescript, with an express api server and a mongoDB. Deployed with a CI/CD pipeline using heroku and netlify.
- 

## EDUCATION

---

### 1st in BSC INFORMATION TECHNOLOGY IN ORGANISATIONS

University of Southampton • Southampton, United Kingdom • 2018

---

## CERTIFICATIONS

---

## **CFA Institute Investment Foundations**

CFA · 2022

· It covers the essentials of finance, ethics, and investment roles, providing a clear understanding of the global investment industry.

## **Level 3 Certificate in Investment Operations**

CISI · 2020

· An overview of the financial services profession and its regulation.

---

## **SKILLS**

**Programming Languages / Databases: Java, Python, JavaScript, PHP, HTML, CSS, SQL, MySQL.**

**Frameworks: Vue, Angular, React, Spring, Flask, SQLAlchemy, Graphene**