STUART MCCAFFERTY
SOFTWARE DEVELOPER

CONTACT

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TECHNICAL SKILLS

Languages
- Java
- Python
- JavaScript
- HTML/CSS

Databases
- PostgresSQL
- MongoDB

Frameworks
- ReactJS
- Express
- Flask
- Spring

Testing
- Junit
- Insomnia
- Cypress

EDUCATION

Professional Software Development
CodeClan
2022

Computer Science
Heriot-Watt University
2018-2021

HNC Computer Science
Glasgow City College
2017-2018

The Glasgow Academy
2012-2017

PROFILE

Trained Software Developer at CodeClan with a background in Computer Science and hospitality who has strong leadership and problem-solving skills built through time managing a kitchen on the Grassmarket. Driven developer who has adopted a growth mindset and ignited a passion to start a career in lifelong learning. Looking forward to being part of a motivated team solving problems using skills learned from an intensive 16-week Professional Software Development Bootcamp at CodeClan and knowledge gained from studying Computer Science at Heriot-Watt University.

PROJECTS

Maze Solver

Solo Project | Java - Spring - JavaScript - Postgres | 2 weeks

A web app following SOLID principles solves mazes with Depth First Search (DFS) and displays the results to the user. It uses many data structures such as 2D arrays, linked lists, queues and stacks. Uses adjacency lists for graph representation so the program can perform DFS to find the route to the end.

CO2 Calculator

Group Project | ReactJS - JavaScript - MongoDB| 1 week

A web app that contains a questionnaire that calculates the user's carbon emission output based on their lifestyle habits, compares their score against a database of other app users and offers solutions to improve their score. Used libraries such as SurveyJS to create the questionnaire and to receive a JSON object which could store in the backend. Also used HighCharts to graph the results of the questionnaire and allow the user to compare to others.

Eden | Photo-based Social Media App

Group Project| React Native - JavaScript - HTML/CSS - Node.js - MongoDB| 6 months

A gamified social media mobile app that gives the user challenges they can complete to gain points to rank up on the leaderboards. Users can post photos onto their feed and other users can give points depending on how well they completed the challenge. Produced an initial bid report for the client covering requirements, project planning, risk analysis and project costs and also conducted usability evaluation interviews.

WORK EXPERIENCE
Head Cook

Maggie Dicksons(2018-2022) & The Golden Pheasant(2017)
- Started as a kitchen porter, trained as a cook and then led a team gaining crucial soft skills.
- Developed a strong mindset for sharp thinking and effective decision-making whilst working long shifts during the Edinburgh Fringe Festival.
- Responsible for training and leading the new team members in the kitchen on industry standards and showing them how to work as a team. I used my teaching experience from the Army Cadets to communicate my thoughts professionally and effectively.
- Responsible for stock control, producing a report and placing orders with various suppliers.