JAMES **COCKFIELD**

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in devjamescockfield

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https://www.jamescockfield.dev

Skills

Languages: JavaScript, HTML/CSS, PHP, Java, Dart, C#, Lua, Python
Technologies: Laravel, React, Next.js, Flutter, Git, MySQL, Django, Firebase, MongoDB

Education

Heriot-Watt
Sep 2023 – Present
- Pursuing a Master's in Software Engineering.
- Studying modules in Industrial Programming, Games Development, Systems Programming, Distributed and Parallel Systems.
- Concurrently working on TrackSim tracker, SimulatorHits Mobile app, and VTC Gateway.

University of Stirling
Sep 2019 – Jun 2023
- Graduated with an Upper Second-Class BSc (Hons) in Software Engineering.
- Completed key modules including Database Principles, Data Structures, Algorithms, Computer Games Development, and Mobile App Development.
- Developed a cross-platform educational app for my dissertation using **Dart**, **Flutter**, and **Firebase**. The app automates study schedules based on module credits to improve time management.
- Actively contributed to the University of Stirling Society of Computing, including creating a Discord Bot in **Node.js**, building a **Laravel** website with a linked **MySQL** database, and managing the server.

Shimna Integrated College
Aug 2012 – Jun 2018
- A-Levels – BTEC Level 3 Public Services (Distinction), Software Systems Development (C), Digital Technology (D).
- During my A-Levels, I joined an IT Bursary program with Sentinus. I developed an equipment management system for Queen's University Marine Biology Lab, utilizing **PHP**, **HTML**, **CSS**, and **JavaScript** to interact with a **MySQL** database.

Personal Projects

SimulatorHits Mobile App
- Developed a cross-platform mobile app with **Dart** and **Flutter**, featuring an audio player, **REST API** integration for **MySQL** database interaction, and push notifications.

SimulatorHits Website
- Created a website with **HTML**, **JavaScript**, **CSS**, and **Laravel**, incorporating **REST API** functionality to dynamically retrieve data from a **MySQL** database.

VTC Gateway
- Developed a website with **Next.js** (front-end) and **Django** (back-end), featuring **REST API** calls to fetch data from a **MySQL** database.

TrackSim Tracker
- Created with **C++** and the SCS SDK for Euro Truck Simulator 2 and American Truck Simulator, gathering in-game telemetry data and posting it to an **API** for user job tracking.

OceanDrive
- I developed scripts for a Grand Theft Auto 5 Online FiveM server, utilizing **HTML**, **JavaScript**, **CSS**, and **Lua**, including customization of premade scripts and creating custom ones.

Howietoun Heritage website
- Created a **WordPress** website featuring a contact form, videos, and images showcasing the heritage site's beauty.

Hack the Burgh 7 Project
- Developed a website with **HTML**, **JavaScript**, **CSS**, and **Laravel**, featuring a quiz system to teach keyboard shortcuts. This was part of a hackathon hosted by the University of Edinburgh.

Online Certification's

- React - The Complete Guide (incl. React Router & Redux) – [Udemy course](#) – Dec 2023.
- Next.js 14 & React - The Complete Guide – [Udemy Course](#) – May 2023
- Angular - The Complete Guide – [Udemy Course](#) – Jan 2020
- Docker Mastery: with Kubernetes +Swarm from a Docker Captain - [Udemy Course](#) – Mar 2020
- Beginning C++ Programming - From Beginner to Beyond - [Udemy Course](#) – Sep 2023

Professional Experience

Co-op – Ballyholme, Northern Ireland
Aug 2021 – Sep 2023

Team Leader
- Demonstrated adaptability and leadership, successfully transitioning between Co-op locations and managing a shop for 5 months.
- Excelled in interpersonal communication and problem-solving, ensuring high customer satisfaction and efficient issue resolution.
- Maintained shop standards, stocked shelves, and enforced company policies while providing guidance to colleagues, contributing to a positive work environment.

Dominos – Downpatrick, Northern Ireland
April 2020 – August 2021

Delivery Driver

Interests and Achievements

Gold Duke of Edinburgh
- Earning the Gold Duke of Edinburgh award in July 2019 helped me develop and enhance resilience, teamwork, and adaptability skills through overcoming challenges, collaborating on expeditions, and adapting to diverse environments and situations.

Scouts
- Led 1st Raploch Cub and Scouts in Stirling, earning the Explorer Belt and Platinum Scout Award. Now an assistant Scout Leader at 3rd West Lothian (East Calder), showcasing strong leadership and organizational skills.

Rugby
- Led the first XV team to the Shimna Integrated College final as captain, played Club Rugby for Ballynahinch RFC, coached mini rugby, and served as president of the Stirling University Touch Rugby club for the 2022/23 season. These experiences have honed my leadership, teamwork, and coaching abilities.