

# Charlie Cook

Software Developer | Computer Science Student | Commercial Web & Backend Experience

Stoke-on-Trent, UK | 07377552773 | charlie\_cook321@hotmail.com

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## Personal Profile

Computer Science (Software Engineering) student with commercial experience across software engineering, ecommerce websites, technical SEO, analytics, CMS workflows, and database-backed systems. Currently working part-time as a Software Engineer and Web Operator, with experience using C#, WinForms, SQL, PHP, Go, REST APIs, Git, GA4 and Google Search Console. Preparing for graduate and junior software developer roles across backend, full-stack and commercial web projects.

## Technical Skills

- **Backend:** C#, Go, PHP, Python, SQL, REST APIs, Node.js
- **Frontend:** HTML, CSS, JavaScript, TypeScript, React, Next.js, Tailwind CSS
- **Databases:** SQL, MySQL, PostgreSQL
- **Tools:** Git, GitHub, GitHub Actions, Postman, Vercel, Supabase
- **Web/SEO:** Technical SEO, GA4, Google Search Console, keyword research, CMS workflows

## Commercial Experience

### Software Engineer

*Cerberus Software Solutions Ltd | December 2024 – Present | Part-time | Hybrid*

- Develop and maintain commercial software and web systems using C#, WinForms, SQL, PHP, JavaScript, HTML, CSS, APIs and Git.
- Building a desktop records-management application, implementing the application interface, business workflows, data-driven features and user-facing functionality.
- Supported client software projects including accountancy-related systems, ecommerce web software and a universal API system for a premium villa business.
- Debug and extend existing codebases, working with SQL databases, bug fixes, API-related tasks and business-critical updates.

### Web Operator

*Cromartie Hobbycraft Ltd | July 2025 – Present | Part-time | Mainly remote*

- Optimise ecommerce content, metadata, product pages, category pages, internal links and image SEO across a live website with 5,000+ products.
- Directly improved 1,000+ pages/products using Gob2b CMS, HTML, CSS, JavaScript, Ubersuggest, GA4, and Google Search Console.
- Contributed to YoY Organic Search improvements including sessions up 20.5%, engaged sessions up 20.6%, key events up 51.5% and GA4-tracked revenue up 72%.
- Improved Google Search Console average ranking position from 17.8 to 9.8, increased UK organic search clicks by 9.1% and helped increase organic Merchant Listing clicks by 191.4%.

## Selected Projects

### Go Website Health Check REST API

Backend/API project | Go, REST APIs, JSON, Postman, GitHub

GitHub: <https://github.com/MrCook17/URL-Health-Checker-API>

- Built a Go REST API that checks multiple website URLs and returns structured JSON results with status codes, response times, errors and saved job data.
- Implemented REST endpoints, URL validation, timeout handling, in-memory storage, statistics and concurrent checks using goroutines, WaitGroups, mutexes and context timeouts.
- Added tests, benchmark evidence, race detector checks, and a repeatable Postman demo.

### Internal Records Management Desktop Application

Commercial software project | C#, WinForms, SQL

- Building a desktop application to manage internal records and workflows, including jobs, customers, workers, invoices, and work sites.
- Implementing the main application layer, user interface, and feature workflows while working with a team-managed SQL database.

### Cromartie Tie Dye Techniques Page Rebuild

Commercial SEO/frontend project | HTML, CSS, CMS, SEO research

Live page: <https://www.cromartiehobbycraft.co.uk/AdditionalDepartments/Header-Content/Tie-Dye-Techniques>

- Rebuilt and optimised a public ecommerce content page with improved SEO, structure, content, images, internal links and CMS-based HTML/CSS styling.
- Shows commercial web experience across SEO research, frontend implementation, CMS constraints and user-focused ecommerce content.

## Education

### BSc Computer Science (Software Engineering)

Keele University | 2024–2027 | Current average: 83.5%

#### Relevant modules:

- Object-Oriented Programming
- Algorithms
- Web Technologies
- Database Systems
- Software Engineering

#### Relevant coursework:

- Go Website Health Check REST API
- Software Engineering group project using SCRUM, teamwork, and task planning.

## Certifications and Learning

- Google Analytics certificate — Google
- Python certificate — freeCodeCamp
- Currently learning React, Next.js and TypeScript through roadmap.sh and a personal portfolio.