Colm Woods
Junior Full Stack Developer
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Executive Summary

Junior Software Developer with a Diploma in Full Stack Software Development from the Code Institute. Proficient in HTML, CSS, JavaScript, and Python, with hands-on experience building and deploying full-stack web applications and backend systems. Background in computer hardware, e-commerce, and ERP-based product data management, bringing strong problem-solving, communication, and collaboration skills. Seeking a junior developer role within a supportive development team.

Education

July 2025–Present	**Diploma in Full Stack Software Development** Code Institute - Dublin, Ireland - (Credit Rated by University of West of Scotland)
August 2019–June 2024	**Leaving Cert, LC** Gort Community School, Gort Co Galway (Subjects: Technology, Engineering, Construction, PE, English & Maths)

Technical Skillset

Technologies:	**HTML, CSS, JavaScript, Python, C**
Databases:	**MongoDB, MySQL, Postgres**
Frameworks:	**Django, jQuery, Bootstrap**
Version Control:	**Git, GitHub, Heroku, AWS, Stripe, Experlogix, ERP, TrueNAS**

Portfolio projects

- **Code Institute 5th Project [PCPartsIreland] -** E-commerce site for a handmade soap shop, which offers a variety of eco/skin friendly soaps. **Technologies Used** - HTML5 , CSS with Bootstrap, JavaScript, Python, Django framework, Postgres DB, Stripe API for payments, Cloudflare for domain name and AWS for hosting media. **GitHub - https://github.com/colmwoods/PCPartsIreland,** Website – pcpartsireland.com

- **Code Institute 4th Project [GitShowcase.dev]** – Full-stack developer portfolio web application designed to showcase GitHub repositories in a clean, user-friendly interface. The platform dynamically displays projects, descriptions, technologies used, and repository links. **Technologies Used** – HTML5, CSS3 with Bootstrap, JavaScript, Python, Django framework, Cloudflare for domain name ,GitHub API. **GitHub** – https://github.com/colmwoods/Gitshowcase.dev, **Website** – gitshowcase.dev

- **Code Institute 3rd Project [PwdShell]** – Python-based command-line password manager application that allows users to securely store, retrieve, and manage account credentials. The application features master password authentication, encrypted password storage, session-based handling for Heroku deployment, and local file persistence when run locally. **Technologies Used** – Python, JSON, Cryptography (Fernet encryption), Colorama. **GitHub** – https://github.com/colmwoods/PwdShell, **Live Site** – https://pwdshell-6bf799458b95.herokuapp.com/

- **Code Institute 2nd Project [Computer Trivia Quiz]** – Interactive web-based trivia game that tests users' knowledge of computers and technology using dynamically fetched questions from the Open Trivia Database API. The application features multiple-choice questions, real-time score tracking, and responsive design, and is deployed via GitHub Pages. **Technologies Used** – HTML5, CSS3, JavaScript, Open Trivia DB API, GitHub Pages for hosting. **GitHub** – https://github.com/colmwoods/Computer-Trivia-Quiz, **Website** – https://colmwoods.github.io/Computer-Trivia-Quiz/

- **Code Institute 1st Project [RepX Gym]** – Responsive fitness website for a gym business that provides information on services, classes, training programs, and contact options, designed with a focus on visual appeal and usability across devices. **Technologies Used** – HTML5, CSS3 with Bootstrap, JavaScript, GitHub Pages for hosting. **GitHub** – https://github.com/colmwoods/RepX-Gym, **Website** – https://colmwoods.github.io/RepX-Gym/

- **Harvard University CS50x Final Project [Word Guessing Game]** – Terminal-based word guessing game developed in C, where players are presented with a randomly jumbled word and must correctly unscramble it within a limited number of attempts. The project demonstrates core programming concepts such as control flow, arrays, string manipulation, input validation, and memory management, with a clear focus on problem-solving and clean, structured code. A walkthrough video is included explaining the program logic and design decisions. **Technologies Used** – C, GCC Compiler, Problem Solving. **GitHub** – https://github.com/colmwoods/Word-Guessing-Game, **Video** – https://www.youtube.com/watch?v=DVW3Q30iZzM

- **Home Server Project [DIY NAS]** – Custom-built home NAS and storage server configured using TrueNAS with a RAID-Z1 array. The system is built on a Xeon-based motherboard and CPU, housed in a large PC case and connected via an enterprise SAS controller. It uses **seven 3TB SAS drives (21TB raw capacity)**, with **one drive reserved for parity**, allowing the system to tolerate a single drive failure while maintaining data integrity. This results in **18TB of usable storage**, with the array continuing to operate normally if one drive fails. The server provides reliable, centralized storage for home and lab environments. **Technologies Used** – TrueNAS, SAS Controller, Enterprise SAS Drives, Xeon Server Hardware. **Video -https://www.youtube.com/watch?v=DpJViwtct5g**

Work Experience

January 2026 – Present   **Mentee @ STEM Aspire Program – Dell Technologies**
                                       Limerick, Ireland

• Selected participant in Dell Technologies' STEM Aspire Mentorship Programme, a structured industry-led initiative supporting students pursuing careers in technology
• Engaged in mentorship sessions with Dell professionals across IT, engineering, and talent acquisition
• Participated in career-readiness workshops covering CV development, LinkedIn optimisation, interview preparation, and assessment-centre expectations
• Attended insight sessions with hiring managers and graduates, gaining first-hand exposure to real-world tech roles and recruitment processes
• Developed professional communication, networking, and career-planning skills aligned with entry-level and graduate technology roles

June 2024 – Present   **E-Commerce & Product Data Specialist – DHFM**
Gort, Co Galway
• Manage and maintain large-scale product data for a **farm machinery and tractor parts e-commerce platform**
• Work extensively with **MAM Software ERP** (autopart business management system) to manage product records, inventory, pricing, stock taking, goods receiving and more
• Handle **price file updates,** transferring pricing data from **ERP → Experlogix**
• Support backend operations using **Experlogix**, including product configuration, pricing logic, and structured data management
• Perform **Excel-based data importing and exporting** for bulk product updates, validation, and data cleanup
• Assist with **job advertising and recruitment-related content**, maintaining and updating job listings across social media platforms, Facebook, TikTok and Instagram
• Collaborate with cross-functional teams to meet project deadlines and resolve pricing, data, or system issues efficiently
• Communicate with customers and suppliers internationally, demonstrating strong professional communication skills
• Organise and prioritise multiple tasks in a fast-paced commercial environment

March 2023 – April 2023   **Computer Technician, Ability IT Solutions**
Ennis, Co Clare
• Diagnosed and resolved hardware and software issues across desktop PCs and workstations.
• Installed and replaced PC components including **RAM, GPUs, audio cards, storage devices, and other internal hardware.**
• Troubleshot and repaired **printer issues**, including connectivity, driver, and configuration problems.

July 2023 – December 2023   **Sales Rep, QuickFix.ie Loughrea**
Loughrea, Co Galway
• Delivered high-quality customer service, clearly explaining products and services to customers in a professional and approachable manner
• Developed strong **verbal and interpersonal communication skills** through daily customer interaction
• Identified customer needs and recommended appropriate solutions, demonstrating problem-solving ability
• Handled enquiries, sales transactions, and after-sales support efficiently

Additional Training

• Google IT Support Professional Certificate **– Coursera (**200 hours**)**
• Responsive Web Design **– FreeCodeCamp (**300 hours**)**
• CS50P: Introduction to Programming with Python **– Harvard University (**100 hours**)**
• CS50x: Introduction to Computer Science **– Harvard University (**150 hours**)**

Interests/Additional Information

• Participation in Code Institute Hackathon: Frontend Frenzy Hackathon - We placed 2nd in this collaborative project (https://jawahir01.github.io/Santas_Code_Elves/)
• I am very involved with hurling with my club Killanena in Clare
• I love ripping broken computers, refurbishing them and selling them on marketplace
• I'm a Community Lead in the CI Discord Community.