**Peter Connell**

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**Professional Profile**

I have recently achieved a distinction level in Computing and systems development (both HNC & HND levels). This year I am continuing my education with the goal of graduating with a Software Development BSc (Hons) to further improve my professional development. I have used a range of languages, operating systems and development tools, experiencing system development life cycles. I believe with the skills obtained I could be of value and I am keen to develop as a graduate trainee in programming and software development. I am hoping for a chance to prove myself through enthusiasm, commitment and a willingness to learn.

My online portfolio can be found here

Along with my GitHub: https://github.com/peterconnellit

**Skills**

**Software Development Skills**

**Programming skills acquired**

* Coding languages include Java, C#, PHP, SQL, ASL, HTML, CSS and JavaScript.
* Experience with procedural, object-orientated and event-driven
* Programming.
* Implementation of data structures and algorithms including abstract data types within concrete data structures, algorithm types, data structure libraries, algorithm complexity, asymptotic testing and benchmarking for efficiency.
* Debugging, testing and coding standards providing quality assurance.
* Knowledge of Computer system architecture such as CPU, ALU and control unit operations, memory subsystems and structure (including program execution using assembly language).
* Collaborative development experience within agile environments such as scrum using Git management.

**Web Design skills**

* Full stack website development using HTML, CSS, JavaScript, PHP and SQL including SEO optimisation.
* Design principles, mood boards, navigation maps and wireframes.
* Understanding development concepts to improve user interface and experience.
* Server technologies and management services associated with hosting and managing multipage websites.
* Experience in other content management systems such as WordPress.
* Test plan design and implementation.

**Database skills**

* Design and development for fully relational database management systems.
* Complex data structures and user interfaces to meet user requirements.
* Robust solutions providing data integrity, validation, consistency and security.
* Advanced querying facilities for providing reports for business intelligence along with application mining support for externally linked systems.
* User, technical system design and testing documentation including data flow diagrams, logical modelling, entity relationship modelling, referential integrity and data normalisation.

**Other Software Development related knowledge**

* Methodologies and organisational practices.
* Feasibility study including technical, legal, schedule and return on investment considerations.
* Understanding and meeting user requirements through analysis, architectural design, software development, testing and deployment.
* Software design documentation including problem definition, user requirements, risk management, pseudocode, IPO, data flow diagrams and algorithm design for quality assurance.
* Knowledge of SDLC models such as Waterfall, Agile, Iterative, spiral etc.

**Other skills**

**Professional practice**

* Interpersonal and transferable communication including writing, presentation and interpretation.
* Teamwork, including culture, dynamics, roles and responsibilities.
* Organisation and time management.
* Critical reasoning, thinking, decision making and problem solving.
* Leadership skills including active listening, negotiation, assertiveness, ethical considerations, appraisal, coaching, motivation, innovation, setting direction, setting standards, reliability and consistency.
* Proficiency in Microsoft office applications such as Word, Excel, PowerPoint, Access, OneDrive and Teams.
* Enthusiasm and motivation for learning, self-improvement and Continuing Professional Development (CPD).

**Project Management skills**

* Defining and communicating project aims and objectives including costing, timescale and scope.
* Research using methods, methodologies and theoretical frameworks to support project recommendations based on evidence finding and analysis.
* Project management methods and tools such as PRINCE2, critical path analysis, Gantt, Pert and Fish bone charts.
* Quality assurance for products and services including ISO 9001 standards.
* Planning risk prevention, project monitoring, communicating responsibilities and accountability.
* Supported recommendations for sustainable organisational performance.

**Education**

**Current Education**

**Software Development BSc (Hons) – To be completed 2023**

**Previous Education**

**HND Computing – Distinction grade achieved in 2021-2022.**

Units covered,

* Application Development
* Business Intelligence
* Computing Research Project
* Data Structures & Algorithms
* Computer System Architecture
* Games Development
* Operating Systems

**HNC Computing –** **Distinction grade achieved in 2020-2021.**

Units covered,

* Programming
* Networking
* Professional Practice
* Databases
* Security
* Managing a Successful Project
* Software Development Lifecycles
* Web Design

**GCSE’s: Birchwood High School, Warrington**

* English Language: B
* English Literature: C
* Mathematics: C
* Science (Double award): C, C
* D&T: Systems and control technology: B
* Music: B
* Drama: C
* French: C

**City & Guilds Diploma of Vocational Education (Foundation level)**

* Providing Goods and services; Transporting
* Providing health, social care and protective services

**Employment**

**ASDA 2004 – Present**

I currently work in E-commerce and although I am a very loyal employee, I do wish to further my career and professional development. I have continued to work whilst studying which I believe signifies my level of commitment and responsibility.

Duties include

* Processing order information
* Quality control
* Manual administration
* Order fulfilment and shipping
* Customer service
* Sales
* Conflict resolution
* System maintenance

**Freelance Musician – 2006 - 2016**

I have also worked as a semi-professional musician in a business partnership. The business included both freelance work and long-term contracts with Garston entertainments performing with other musicians around the country and providing services for military functions, corporate events, Haven holiday parks, private events, weddings etc.

IT related skills obtained include

* Web design and hosting
* Digital marketing
* Managing social media content
* SEO management

**Other Information**

I have a huge interest in computer hardware/software and have built my own PC. I like to stay up to date with various manufacturers’ products and upcoming technologies (software, processors, graphics cards, gaming peripherals etc.) I pride myself on the ability to help friends and family with any home tech related issues such as software applications, operating systems, home network administration and any other PC hardware related issues.

I also play multiple instruments for fun and code my own software instruments such as drum machines and sequencers. Other interests include sound design, acoustics and software tools for production, mixing and mastering.

**References**

References are available on request