Craig Adam

📞07478727766   🏠Little Wenlock, Shropshire   ✉craig_adam@outlook.com   💻Portfolio website

Personal Summary

I am an enthusiastic software developer with over four years' professional experience developing a wide range of applications. I have proven expertise in building and project managing interactive training software and solutions, currently in use by thousands of trainees and instructors across UK defence training schools.

I am keen to continue learning new skills, and particularly enjoy expanding my knowledge of programming languages and frameworks. With a professional focus on research and development, I have also gained extensive software development knowledge through both personal and university projects, aiming to experience a width breadth of programming paradigms to continue growing my skillset.

Professional Experience

Software Developer   *Oct. 2018 - Present*
Royal Air Force | Corporal | RAF Cosford, Shropshire

The Learning Technologies Team create bespoke software solutions utilised by the Defence School of Aeronautical Engineering, enhancing training across HMS Sultan, MoD Lyneham and RAF Cosford.

- Project managed, developed, and tested numerous bespoke software solutions, providing support throughout the product's lifecycle.
- Ensured all work met the agreed deadlines, was produced accurately, cost effectively, and conformed to current professional and defence standards.
- Carried out research and development of emerging technologies for use in e-learning, focusing on the 'gamification' of learning, along with developing 3D and Mixed Reality applications.
- Promoted STEM and emerging technologies; regularly delivering tech demos at RAF Engineering conferences and Air Shows.
- Mentored junior developers during in-house software development training.
- Technologies used include C# and the Unity games engine, alongside web technologies such as HTML5, CSS3, JavaScript, TypeScript and Angular.
- Basic multi-media design skills including a familiarity with the Adobe Creative Cloud software suite.

Above Secret Systems Engineer   *May 2013 - Oct. 2018*
Royal Air Force | Senior Aircraftman | RAF Leeming, Yorkshire

Above Secret Information Systems Flight build, deploy and maintain the UK's top-secret communications system.

- Duties included configuring computers and network equipment, system administration, and liaising with external agencies such as BT and Fujitsu throughout the equipment building process.
- Led multiple overseas equipment installation teams and provided guidance to the user base.

Duty Manager   *Jun. 2008 - Jan. 2012*
Midlands Cooperative Society | Stafford, Staffordshire

- Responsible for the day-to-day running of a medium sized supermarket, ensuring daily processes were followed to company standards.
- The role required a high level of customer service and the ability to communicate effectively to both members of the public and colleagues.
- Completed ILM Level 3 award in Leadership and Management, formalising management experience.

Education

University of Derby | BSc (Hons) Computing and Information Technologies   *Sept. 2022 – Ongoing*
- Key Modules: Software Engineering, Database Fundamentals and Ethical Hacking

Staffordshire University | FdSc Computer Science, *Distinction*   *Jan. 2020 – Jul. 2022*
- Key Modules: Mathematics, Software Development, Cloud Computing and Data Analysis

RAF Cosford | Advanced Apprenticeship in IT, Software, Web & Telecoms   *Mar. 2012 – May 2013*
- BTEC level 3 Diploma in Professional Competence for IT and Telecoms Professionals
- BTEC level 3 Diploma in ICT Systems and Principles

Lancaster University | BA (Hons) History, *First-class*   *Sept. 2005 – Jul. 2008*

Walton High School   *Sept. 1998 – Jul. 2005*
- A Levels (2005): Business Studies (A), History (B), English Literature (C), General Studies (C)
- GCSEs (2003): 11 A* - C grade including Maths, English, and Science

Skills and Proficiencies

I have experience in a wide variety of software development skills gained professionally, through higher education, and self-taught.

Professionally, I have focused on modernising training using C# and the Unity Engine, allowing me to utilise emerging technologies such as VR and AR with hardware such as the Microsoft HoloLens. I have also produced many web-based training resources, gaining experience in HTML5, CSS3 and JavaScript. These fundamentals are further enhanced through projects which saw me incorporate TypeScript alongside the Angular framework.

During my university studies I used Python to develop data structure and OOP principles, along with the fundamentals of writing clean maintainable code. I was also introduced to cloud computing with AWS and Data Analysis principles which included working with SQL.

During personal projects used to acquire new skills, I have experienced a variety of languages and frameworks, with an aim to broaden my understanding of full stack development. I have created REST APIs using Node.js with the Express.js framework, persisted data using MongoDB as a NoSQL database, and built frontends utilising Angular, jQuery, Ionic and Bootstrap.

- Programming Languages: JavaScript, C#, TypeScript, Python, SQL.
- Frameworks: Unity, Angular, Ionic, jQuery, Bootstrap, Express.js.
- Technologies: HTML5, CSS3, SASS, Node.js, Git, Unity, Adobe Creative Cloud, MongoDB, Moodle, Visual Studio, PyCharm, AWS, Firebase.

Hobbies and Interests

- Coding / programming
- Health and fitness
- Kickboxing
- Gaming
- Traveling
- Films and TV