

Craig Adam

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PERSONAL SUMMARY

I am an enthusiastic software developer with over two years' experience developing a wide range of web-based applications and tools. 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 frontend development, I've also gained backend experience through personal and university projects and am interested in experiencing all areas of software development 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 training software solutions to be utilised by the Defence School of Aeronautical Engineering; enhancing the delivery of training across HMS Sultan, MoD Lyneham and RAF Cosford. Software solutions are used to reduce training time and save money, with software predominately created to be accessible via a virtual learning environment, allowing students to have continued access remotely and throughout their careers.

- Developed and project managed numerous bespoke software and training solutions, providing support throughout the product's lifecycle.
- Worked within teams and liaised closely with multi-media designers to plan and deliver products.
- 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. This was focused towards the 'gamification' of learning, utilising 3D and Virtual Reality applications.
- Promoted emerging technologies and the departments bespoke products. I often presented products at RAF engineering conferences and used the products to promote STEM awareness within the community at several air shows.
- Provided in house software development training to new starters, ensuring they had a good grasp of the fundamentals.
- Essential programming skills included HTML5, CSS3 and JavaScript, with the Angular framework employed on larger projects. I also utilised C# and the Unity games engine to produce 3D and VR applications.
- Basic multi-media design skills including a familiarity with the Adobe Creative Cloud software suite (Animate, Illustrator and Photoshop).
- Served as a Local Installation Manager for the team, taking charge of local IT equipment and the network. I ensured all updates were carried out, backups were completed, faults were rectified, and new equipment installed.

ICT Technician

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 network. This has a vital impact on all current operations, allowing for secure command and control, intelligence gathering, and sharing of information.

- My duties included configuring laptop and desktop computer, configuring network equipment, system administration and liaising with external agencies such as BT and Fujitsu throughout the equipment building process.
- During this six-year period I experienced multiple roles, including second line support, installation work and networking, user and information management and help desk.
- As a subject matter expert I was given multiple opportunities to lead small teams to install equipment and provide instruction and guidance to the user base. This included two overseas operational deployments, and numerous UK and overseas exercises.

Duty Manager

Jun. 2008 - Jan. 2012

Midlands Cooperative Society | Stafford, Staffordshire

Responsible for the day-to-day running of a medium sized supermarket whilst on shift; ensuring daily processes were followed according to the correct company standards. The role requires a high level of customer service and the ability to communicate both to members of the public and colleagues. Duties included dealing with customer complaints, resolving staffing issues, reducing wastage and leading a team in a high fast passed environment. I also completed an ILM Level 3 award in Leadership and Management during this time period, to formalise my management experience.

EDUCATION

Staffordshire University | Foundation Degree of Science in Computer Science

Jan. 2020 - Ongoing

- Key Modules: Mathematics, Software Development using python, Cloud Computing, Data Analysis

Defence School of Communications and Information Systems, RAF Cosford

Mar. 2012 – May 2013

- Advanced Apprenticeship in IT Software Web & Telecoms Professionals
- BTEC level 3 Diploma in Professional Competence for IT and Telecoms Professionals
- BTEC level 3 Diploma in ICT Systems and Principles
- Key Skills Level 3 IT

Lancaster University | Bachelor's Degree of Arts in History

Sept. 2005 – Jul. 2008

- Graduated with First Class Honours

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 and Science

SKILLS AND PROFICIENCIES

I am most experienced using JavaScript in conjunction with HTML5 and CSS3. In a professional capacity I have also used TypeScript alongside the Angular framework, and C# inside the Unity games engine. During university studies I have used Python to develop OOP principles and the fundamentals of clean maintainable code.

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

- Languages in order of proficiency: JavaScript, TypeScript, Python, Node.js, C#.
- Frameworks: Angular, Ionic, jQuery, Bootstrap, Express.js.
- Technologies: HTML5, CSS, Git, Unity, Adobe Creative Cloud, SASS, MongoDB, Moodle, Visual Studio, PyCharm.

HOBBIES AND INTERESTS

- Coding / programming
- Health and fitness
- Gaming
- Films and TV
- Basketball