

Craig Adam

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🌐 Portfolio website

Personal Summary

I am an enthusiastic software developer with over two 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 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 software solutions to be 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 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, focusing on the 'gamification' of learning, along with developing 3D and Virtual Reality applications.
- Promoted STEM and emerging technologies, presenting new products at RAF Engineering conferences and air shows.
- Provided mentoring during house software development training.
- Technologies used include Adobe Animate CC, HTML5, CSS3 and JavaScript, along with the Angular framework employed for larger projects. I also utilised C# and the Unity games engine.
- Basic multi-media design skills including a familiarity with the Adobe Creative Cloud software suite.
- Local Installation Manager for the team, taking charge of local IT equipment and the network; ensuring all updates were carried out, backups were completed, faults were rectified, and new equipment installed.

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 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.
- 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, ensuring daily processes were followed according to the correct company standards. The role required a high level of customer service and the ability to communicate effectively to members of the public and colleagues.
- I also completed an ILM Level 3 award in Leadership and Management during this time period, to formalise my acquired management experience.

Education

Staffordshire University | FdSc Computer Science (Distance Learning)

Jan. 2020 - Ongoing

- Key Modules: Mathematics, Software Development using Python, Cloud Computing, 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
- Key Skills Level 3 IT

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 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 my OOP principles knowledge and the fundamentals of clean maintainable code.

During personal projects which I have used to acquire new skills, I have used 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 build frontends utilising Angular, jQuery, Ionic and Bootstrap.

- Programming Languages: JavaScript, C#, TypeScript, Python.
- Frameworks: 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
- Gaming
- Travelling
- Films and TV