

David Craddock BSc(Hons) MBCS

Aspiring Cyber Security Researcher/AppSec/Red Teamer

Profile

Highly experienced technical Principal Software Engineer engineer looking for a transition into technical software-related cyber security roles | WFH preferred | Active SC held | Working towards BCS CITP status

Experience

Royal Holloway, University of London

MSc Cyber Security - distance learning student

Sept 2024 -> Present

Distance learning student studying a 4 year low-intensity Masters degree in Cyber Security with academic direction from Royal Holloway, in the evenings via the University of London's Distance Learning platform. Involved in the University of London student-run Cyber Security society as Vice President. Also upskilling heavily on GenAI and modern AI approaches in preparation to undertake a thesis on Cyber Security in GenAI.

Imperial College London

Professional Certificate in AI/ML distance learning student

Dec 2025 -> Present

Realised I needed to upskill in AI/ML/GenAI further to my joint bachelors degree in AI, and so I signed up for this 7 month course at one of the best universities in the world for the subject.

Learning Sabbatical

Various

Sept 2024 -> Present

Currently studying for OSCP+ and AWS certificates, alongside the above academic qualifications.

Various

Principal QA/DevOps Consulting Engineer

Jan 2024 -> Oct 2024

Worked for two major defence and government software consulting organisations (British Aerospace Intelligence Systems and CGI UK Ltd). Worked on developing test strategies, mentoring, and upskilling in cloud and devops technologies, including studying for the AWS Architect Associate Certification.

Sabbatical

Personal Projects

Feb 2023 -> Jan 2024

Beat cancer (full remission, cured) Worked on upskilling on personal projects such as my [home lab](#) Worked on building out my VWorkbench project, a extensive [Linux development environment](#)

Kaboodle Ltd

Senior DevOps/Test Automation Engineer

Jan 2021 -> Jan 2023

Working in the DevOps team, I used Docker, Docker Compose, GitHub Actions, Jenkins, Cypress.io, Postman, Newman and Node.js to implement test automation and software development DevOps, with an objective of allowing the team to deliver faster and more accurately. I developed an extensive and advanced technical testing strategy for the entire organisation.

ITV Plc

QA Engineer

October 2019 -> November 2020

Working on exploratory testing and automated testing for the accounting system that pays the on-screen talent in ITV. I had exposure to: Java, Python, MicroServices, Docker, RabbitMQ, Cucumber, MySQL and some JavaScript.

Arm Ltd (now NVIDIA)

Senior DevOps/QA Engineer

June 2017 -> October 2019

A hands-on very technical software engineering role, combining DevOps and CI administration/management, as well as test automation and some elements of exploratory testing, for a High Performance Computing C++/Fortran compiler. I used Make, Jenkins, Bash, C++, Python, GoCD and the Robot framework.

BBC

Senior Software Engineer

September 2010 -> June 2017

I took a Senior Engineer role in [Hive CI](#), a continuous integration system to automate mobile and smart TV device testing. This involved development in Node.js and Ruby, on a virtualised Linux stack. Technologies used: Calabash, Appium, AWS, Android, iOS, Linux, Bash, Ruby. I spent a year working as a Test Manager and leading a team of 3 contractors, being responsible for their output. I worked as a Software Engineer on high volume Smart TV web applications using Java/Spring/Tomcat, using BDD with Ruby/Cucumber and TDD with JUnit and Mockito. I worked as a Software Reliability Engineer on the broadcast end of the BBC's architecture, maintaining and supporting the uptime of systems which served up content that is delivered on live BBC TV. I patched these systems in Java, Perl and MHEG, and did a lot of work reconfiguring and supporting these deployments.

Education

Royal Holloway, University of London

MSc Cyber Security - 4 year low intensity distance learning

2024 -> Present

Open University

Undergrad Modules in Linux, Java and Maths for Science

University of Sussex

BSc(Hons) Computer Science and Artificial Intelligence

Testimonials

CGI UK Ltd

Lloyd Swale / Software Engineer

“David made an invaluable contribution to my start at CGI.”

Kaboodle Ltd

Robert Godwin / QA Lead

“David is a very knowledgeable Automation Engineer who strives to share and implement ideas to streamline process and QA through Automation. In relation to QA, David utilises his knowledge to apply discipline to support Development squads adhere to the Definition of Done and also provides coaching plus useful articles to assist fellow colleagues in upskilling. I wouldn’t hesitate to recommend David.”

ITV Ltd

Alexander Bramham / Software Engineer

“Working with David on an award-winning project was a joy. He brings a professional experienced perspective and excellent attention to detail. I am happy to recommend David and wish him the best in his future career.”

Arm Ltd

Caroline Concatto / Software Engineer

“I met David when we worked together in the DevOps team. I had just joined the company, and I was assigned to join the DevOps team. The team was moving all its CI/CD to a new platform. It was good to work with David. I’ve learned about scripts, Makefiles, CMake and hacks with him. We reviewed each other scripts, work and also discussed ideas. I used to help him at release time. We applied and collected the test results for the compiler releases. David was careful to analyse the compiler output results. He was the first in line to check and diagnose the compiler fault and with that information, he used to assign tasks to the compiler engineers. David was responsible to take care of the test plan for the compiler. He suggested and implemented new tests to improve the compiler quality and to avoid regressions. I could see him talking with compiler engineers, team leaders and managers to understand new features added to the compiler. When he left it took some time to replace David with a new DevOps person because the tasks that he was doing were complex and broad.”

BBC

Angus Bisset / Broadcast Engineering Team Leader

“David is a highly skilled software engineer, with a calm and considered demeanour, always able to tackle the most complicated engineering problems, even in high pressure situations. He’s a pleasure to work with and a great asset to any team fortunate enough to have him.”
