

+ David Craddock BSc(Hons)

Senior DevTestOps Engineer

Profile

Hugely experienced Senior Software Engineer with nearly 20 years experience in Software Development, Test Engineering and DevOps.

Recent Experience

Kaboodle Ltd

Senior Automation Engineer

July 2021 -> January 2023

* Software Engineer in the music industry, working on gig and club ticketing solutions. 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 testing strategy for the entire organisation.

Myself

Career Break + Setting up Side-Line Business

March 2021 -> July 2021

* Following experiencing COVID-19, after 16 years in the software industry, I gave myself a career break. During this time I set up two small businesses: DavidCraddockTutor.com - Tutoring for students of Computing and Software Engineering. 1-2-1 remote tuition over Skype/Zoom or equivalent. DavidCraddockAudio.com - This is an umbrella for paid music industry commitments, which I have been doing for over 10 years. Currently, I am making money DJing every week on Twitch.tv, after having built up my stream extensively. I also undertook several DJ sets for charity. My 8 hour marathon DJ Charity stream for my birthday in May 2021 raised over 230 pounds for charity.

Carbon Co-Op

Contract Software Engineer

November 2020 -> March 2021

* Worked on software development for a React.js / Node.js application as a contractor. Learned a lot about React and Node.js software development.

ITV Plc

QA Engineer (ITV)

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

Senior DevOps/Test 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 spent almost 7 years working at the BBC as a Senior Software Engineer. I worked in several teams. 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

Sussex University

BSc(Hons) Computer Science and Artificial Intelligence

2001 -> 2005

Open University

Modules in Linux, Java and Maths for Science

2010 -> 2013

Point Blank Music School

Modules in Music Composition, Sound Design and Mixdown

2019 -> Present

Testimonials

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."
