Luke Cross | Software Engineer

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🐙 lukecross

Competent and experienced Senior Software Engineer, currently working with React, Redux, Typescript & C# .Net Core. Computer Science with Industrial Year BSc (hons) Graduate (First class) from the University of Birmingham. Passionate about technology, design and user experience with strong industry and Agile experience as well as technical, communication, interpersonal and business skills.

Technical Skills

- **Programming Languages/Technologies:**
  Strong in: React, Redux, Typescript, HTML/CSS/JS, C# .Net Core, Entity Framework
  Proficient in: Java, C# ASP.NET MVC, GraphQL
  Basic ability in: PowerShell, Python

- **Design Frameworks:** Bootstrap 4, Materialize

- **Industry Software Skills:** Jenkins, Selenium, Atlassian Stack, Visual Studio, Git, Microsoft Office, AWS, Balsamiq, Elasticsearch, Cypress, Jest, Leaflet, Cesium, Docker

Previous Employment

BAE Systems Applied Intelligence
Senior Software Engineer   *July 2021–Present*

- **React, Redux, Typescript, C# .Net Core web application**
  Working as a full stack developer in a small Agile team, with React, Redux, Typescript, C# .Net Core and Docker. Integrating proprietary systems into a single source of truth single page web application.

BAE Systems Applied Intelligence
Software Engineer   *August 2016–July 2021*

- **React, Typescript, GraphQL web application**
  Working as the frontend lead engineer in an Agile team, with React, Typescript, Apollo, GraphQL, Python and Docker. Managing all aspects of the web application frontend.

- **Angular 4/Java web application**
  Working as a full stack developer in a small Agile team, with Angular 4 (Typescript) and Java Spring Boot technologies. Working closely with clients to mockup wireframes in Balsamiq to clarify requirements and manage expectations.

- **C# ASP.NET MVC web application**
  Working as a full stack developer in a small Agile team, with the Microsoft C# ASP.NET MVC stack. During this also acting as the Design Authority, making decisions about the user experience and design of the web application frontend.

Microsoft
Software Development Engineer in Test   *July 2014–June 2015*

- **Creation of Data Visualisation dashboards for the studio**
  Working with different teams in the studio to create dashboards that display: data about Test in the studio (bug numbers, leader board of developers with the most bugs, test coverage etc.), data about Production status (milestones, blocked tasks, task progress etc).

- **University of Birmingham, Computer Science**
  Java Demonstrator   *October 2013–March 2014*
  - **Helping university students develop code for their Java module**
    Based in the Computer Science labs at the university, when a student needed advice/help with their Java code, teaching them the fundamentals of what they were attempting and guide them along the right path.

- **University of Birmingham**
  Head Student Ambassador   *January 2013–June 2014*
  - **Organisation and management of other ambassadors**
    Played an active part in the planning and organisation of applicant visit days and open days. As well as the organisation of other student ambassadors to ensure the smooth running of the days.

Education

Academic Qualifications

- **University of Birmingham**
  BSc (Hons) Computer Science with Industrial Year, First Class (83%)   *2012–2016*
  Examples of modules I have completed are as follows:
  Software Workshop (Java) - *95%*   Team Project (Java game) - *94%*
  Networks - *94%*   Mathematical Techniques - *92%*

- **Theale Green Sixth Form**
  A levels, Computing (A) Maths (A) Product Design (B) History AS (B)   *2010–2012*

- **Theale Green Community School**
  12 GCSEs, A* to A including Maths, Science and English   *2008–2010*

Notable Projects

- **Degree Dissertation:** *'Using Twitter sentiment analysis to dynamically rate products and services.'*

  A C# ASP.NET MVC web application that provides users a way to find out what the world thinks of a particular product/person/service/event using Twitter Sentiment Analysis. It works by connecting to Twitter to gather Tweets which contain the user's input, performing sentiment analysis on the Tweets to mark them as positive, negative or neutral, analysing this data to provide the user with a rating out of 5 stars as well as other useful information.

Personal Achievements

- Microsoft Technology Associate: Software Testing Fundamentals   June 2015
- IBM University Team Challenge prize   May 2014
- Vice President of the Computer Science Society   May 2013–March 2014
- Merit scholarship for Academic Achievement   September 2012
- Computer Science award   August 2012
- Gifted and Talented, Fast-track programme   September 2005–July 2012

Interests and Hobbies

- Keen interest in design and user-experience
- Enjoy participating in sports such as: football, basketball and table tennis