



# Tom Aveston

Full stack developer · Cambridge, UK

I am a highly experienced full stack developer based near Cambridge, with 20 years commercial experience working on projects of all sizes. As an adept problem solver, I have a proven track record of delivering high-quality, robust solutions.

## Skills

- Modern web front-end development (incl. React)
- Micro-service development (.NET Core, RabbitMQ)
- Native mobile app development (Android, iOS)
- Cloud computing (Azure)
- Desktop application development (Windows Forms, WPF)
- Containers (Docker, Kubernetes)
- Relational DBMS (incl. Oracle, SQL Server)

## Programming languages

- C#
- C/C++
- JavaScript/TypeScript
- Kotlin
- Commercial experience with many others including COBOL, Swift, Java, and Python.

## Experience

### UL (formally Credit360<sup>1</sup>)

Senior Software Engineer 2019-present

Software Developer 2014-2019

Participated in the maintenance and development of the substantial UL360 SaaS suite of ESG and sustainability software, within an agile environment.

Other responsibilities included:

- Design and implementation of new SaaS modules, such as a regulatory compliance and permit management system, a HTML templating engine for custom data entry layouts, and a high performance engine for evaluating complex user defined conditional logic in the digital survey tool.
- Incremental migration of the large monolithic C# code base towards a modern micro-service based architecture.
- Leading the full re-implementation of the platform's primary C++ security module in C#, modernising the architecture and improving maintainability.
- Developing native mobile applications for Android and iOS, using multi-platform Kotlin.
- Acting as a technical advisor and mentor to team members at various levels, from entry-level to senior engineers, providing guidance and feedback to help them grow and develop their skills.
- Reviewing coding submissions from recruitment candidates.

## iCareHealth (formally HET Software<sup>2</sup>)

Senior Developer 2012-2014

Software Developer 2009-2012

Senior member of an agile team of five, building software for the health and social care sector.

Responsibilities included:

- Design and implementation of major cloud based applications, including a web based mobile scheduling and monitoring application relied upon for the provision of thousands of hours of home care per week.
- Ongoing development of the company's flagship Windows Forms/C# application, including direct responsibility for building the product's WPF based dashboarding tool.
- Producing design documentation for major projects.
- Setting internal standards to ensure product quality and consistency.
- Maintaining coding standards documentation.
- Reviewing CVs of recruitment candidates.

## Cyberaid

Software Developer 2006-2009

Part of a team of two in charge of maintaining the large COBOL code base that comprised part of the company's payroll and human resources offering.

Other responsibilities included:

- Design and implementation of bespoke web-based applications.
- Provision of direct technical support to customers.

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## Contact

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1. Credit360 was acquired by UL in February 2016.

2. HET Software merged with iCare Solutions in 2013.