 Charlie Daly

[https://charliedaly.co.uk](https://charliedaly.co.uk/)

## I'm a software nerd who cares about your business.

My core compentencies are:

* Designing and implementing technological solutions to grow your bottom line.
* Delivering cutting edge full-stack web apps with maintainability and testability in their DNA.
* Consulting on the best usage of Microsoft web development technologies.

My primary toolset consists of:

* Backend systems utilising .NET Core, ASP.NET and SQL Server.
* Frontend systems utilising React, Redux, Angular and TypeScript.
* Deployment and scalability with Azure, Docker and Orleans.

My core [experience](https://charliedaly.co.uk/resume" \l "experience) consists of working with:

* A world leading data science consultancy. (2 years)
* A small, dynamic e-commerce startup. (2 years)
* A globally recognised high technology multi-national. (1 year)

# Experience

## [Dunnhumby Ltd.](https://dunnhumby.com/)

World leading Retail Analytics company

### Jul 2015 - Aug 2017 (2 years 3 months)

Software Engineer

* Helped create the foundational platform for the next-generation of revenue generating products to provide a fresh and modern, segmentable [SaaS](https://en.wikipedia.org/wiki/Software_as_a_service) offering, designed to disrupt an old fashioned market. C#, ASP.NET Web API, Orleans, T-SQL, SQL Server, SignalR, React & Redux, Angular, TypeScript.
* Built a single-sign-on authentication and authorization solution to provide a seamless customer experience whilst reducing the time to market for all future products. C#, ASP.NET Core, Docker, IdentityServer, SQL Server, Active Directory, OpenID.
* Delivered the UX and front end of an experimental alert system that provides real time insights to non-technical users. Scala / Scala.JS, Akka, Play Framework, React & Redux, Docker, Linux.
* Contributed to office culture and colleague growth by initiating and leading the first in a series of “Lunch & Learn” sessions by presenting an [introductory talk on the F# programming language](https://github.com/mistakenot/fsharp-presentation).

All projects delivered utilising:

* Lean Agile, Jira, Spec Flow / BDD, Selenium, Team City, Octopus Deploy.

## [StoreFeeder Ltd.](https://storefeeder.com/)

B2B Software as a Service Startup, E-Commerce

### Jul 2013 - Mar 2015 (1 year 9 months)

Software Engineer

* Helped to grow and maintain a large, N-tier cloud hosted web application and related services. Azure, C#, SQL Server, ASP.NET WebForms, Entity Framework.
* Led an integration project with our FTSE100 partner, [Tesco Plc.](https://tesco.com/). Increased the core products earning potential by opening up a new marketplace for our clients.
* Reduced customer [churn](http://www.saasmetrics.co/churn/) by building amicable relationships with clients and sales leads in training, sales and support roles.
* Gained deep understanding of the APIs of companies including Amazon, EBay, Shopify, Magento and BigCommerce.

## [Rolls-Royce Plc.](https://rolls-royce.com/)

Defence Aerospace

### Sep 2010 - Dec 2010 (4 months)

Software Engineer (Contract)

* Continued working the on Corrections Tracking project started whilst a permanent employee.

## [Rolls-Royce Plc.](https://rolls-royce.com/)

Defence Aerospace

### Sep 2009 - Aug 2010 (1 year)

Intern, Manufacturing Systems

* Provided technical support and solutions to aid the development of cutting edge manufacturing techniques for the F-35B Joint Strike Fighter project, the largest defence aquisition project in history.
* Led the development of a project to store correction information for out of tolerence parts. Provided a proof of concept that was initiated and guided by the use cases of factory floor end users.
* Delivered a £1M per annum cost saving by leading a project to automate a time consuming manufacturing process.

# Academia

## [University of Nottingham](https://nottingham.ac.uk/)

BEng Mechanical Engineering Hons.

### Sep 2010 - 2013

## [Coursera](https://coursera.org/)

* Functional Program Design in Scala
* Parallel programming in Scala
* Functional Programming Principles in Scala
* Big Data Analysis with Scala and Spark

## [Microsoft](https://microsoft.com/)

* MCPS: Programming in C#

# Awards

## [YINI Contribution to the Business, East Midlands](http://www.etrust.org.uk/awards-information)

### Aug 2010

Blisk Auto Balance project, achieving a £1M per annum saving for Rolls-Royce Plc.