



Charlie Daly

<https://charliedaly.co.uk>

Product focused technologist and founder.

My core competencies are:

- Designing and implementing technological solutions to pressing business problems.
- Delivering cutting edge full-stack web apps with maintainability and testability in their DNA.
- Optimising team effectiveness and happiness through automated infrastructure.

My primary toolset includes:

- Backend systems utilising ASP.NET Core, Node.JS, Scala and SQL.
- Frontend applications with React and TypeScript.
- Automated cloud infrastructure with GCP, Kubernetes and Gitlab.

Experience

Funder

Boostrapped Software Startup

May 2019 - Present

CTO & Founder

- Developing a platform to help early stage founders find the right investor.

Dunnhumby Ltd.

Global Retail Analytics company

June 2018 - May 2019 (1 year)

Senior Cloud Engineer (Contract), Core Technology

- Contributed to the development of a Platform as a Service for Data Analysts using **GCP**, **Kubernetes**, **Go** and **React**.
- Developed a set of tools for provisioning, auto-scaling and auto-decommissioning **Hadoop** clusters on **GCP**.
- Increased team velocity by creating a framework for automated testing of platform deployments using **Selenium**, **Cucumber** and **Gitlab**.

Jul 2015 - Aug 2017 (2 years 3 months)

Software Engineer, Price & Promotion

- Helped create the foundational platform for the next-generation of revenue generating products to provide a fresh and modern, segmentable [SaaS](#) 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](#).

All projects delivered utilising:

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

[Amaze Realise](#)

Web Agency

April 2018 - May 2018

Software Engineer (Contract)

- Delivered front end components written using **React**.
- Built a back end admin panel using **ASP.NET Core**.

StoreFeeder Ltd.

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.](#). Increased the core products earning potential by opening up a new marketplace for our clients.
- Reduced customer [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.

Defence Aerospace

Sep 2010 - Dec 2010 (4 months)

Software Engineer (Contract)

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

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 acquisition project in history.
 - Led the development of a project to store correction information for out of tolerance 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.
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Community

Indie Hackers Manchester

Founder

April 2019 - Current

A community of bootstrapped internet entrepreneurs. I've presented on topics including growth, sales and product development.

Academia

University of Nottingham

BEng Mechanical Engineering Hons.

Sep 2010 - 2013

Coursera

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

Microsoft

- MCPS: Programming in C#
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Awards

YINI Contribution to the Business, East Midlands

Aug 2010

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