Charlie Daly

Cloud technolgist, startup founder and community builder.

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🐦 https://twitter.com/thisischarlied

in https://www.linkedin.com/in/charlie-daly/

👤 ABOUT

I've helped one of the original big-data pioneers move to the Cloud, used automation to make development teams happier, brought a University research project closer to commercialisation and helped dozens of people start companies of their own. Currently I am focussed on helping teams get more out of the Cloud and making it easier for startups to get funded.

✎ WORK EXPERIENCE

Freelancer, Toptal.com

Feb 2020 - Present 🕐 1 month

Freelancing network for the top 3% of global talent.

Consultant, University of Salford

Sep 2019 - Present 🕐 6 months

Commercialising an innovative research project that enables real-time collaboration with user-generated media.

- Advised on modern deployment processes utilizing AWS, Docker, and BitBucket CI.

- Reduced costs and improved uptime by integrating with service providers such as MongoDB Atlas.
- Worked on a React and Node.js-based real-time micro-services based application.
- Implementing enterprise features such as SSO.

Founder, Funding Startup

Apr 2019 - Present   ⊙ 11 months

Helping early-stage founders find their perfect investor.

- Part of the team responsible for vision and strategy.
- Leading the technical implementation in a lean starup environment.

Senior cloud engineer, Dunnhumby

Jun 2018 - Jun 2019   ⊙ 11 months

Member of Core Technology team. 12 month contract.

- Worked on an advanced Platform-as-a-Service system for Data Analysts. Built using Go, GRPC and React on top of Kubernetes and GCP.
- Developed a set of tools for self-service provisioning of Hadoop/Spark clusters capable of auto-scaling and auto-decommissioning using Python.
- Increased team velocity by creating a framework for automated testing of deployments using Selenium, Cucumber and Gitlab CI.
- Improved cost-visibility by integrating systems to monitor usage of cloud resources with Stackdriver and BigQuery.
- Deployment of a number of proprietary and OSS applications, such as Juptyer and Redash, onto the platform using Docker, Ansible and Bash.

Freelancer, AmazeRealise

Apr 2018 - May 2018   ⊙ 30 days

Developed a social training solution for an iconic retail brand with over 5,000 stores.

- Built a ASP.NET & Azure powered training administration system.
- Created a library of reusable React components to designer specifications.

Software engineer, Dunnhumby

Jul 2015 - Aug 2017   ⊙ 2 years 1 month

Creating the foundational platform for the next-generation of revenue generating products.

- Helped create a distributed, realtime pricing platform utilising Microsoft Orleans, ASP.NET and SignalR. Responsible for API and Authentication layers.
- Delivered the UX and front end of an experimental system that provides alerts and insights to non-technical users utilising full-stack Scala and Akka.
- Created a centralized, custom authentication system using IdentityServer 4.0 and OAuth.

- Contributed to office culture by leading the first in a series of educational sessions. Presented a talk on the F# programming language.

Software engineer, StoreFeeder

Jan 2013 - Mar 2015 ⏲ 2 years 1 month

Hands-on role in a growing SaaS startup.

- Led an integration project with our FTSE100 partner company, Tesco.
- Reduced customer churn by building amicable relationships with clients in training, sales and support roles.
- Built numerous API integrations with partners like Amazon, E-Bay, Shopify, Magento, and BigCommerce.

Manufacturing systems intern, Rolls-Royce Plc.

Sep 2009 - Sep 2010 ⏲ 11 months

Provided technical solutions to support cutting edge manufacturing techniques for the largest defence aquisition project in history, the F-35 Joint Strike Fighter.

- Delivered a £1M per annum cost saving by leading a project to automate a time consuming manufacturing process.
- Led the development of a project to store correction information for out of tolerance parts, designed around the use cases of factory floor end users.

</> SKILLS

Web (6+ years): .NET, Node.JS, React, TypeScript, Python, Go, PostgreSQL, Automated testing.

Cloud (2+ years): GCP, Linux, Dev-ops, Docker, Kubernetes, Terraform, AWS, Gitlab, Ansible.

Startups (1+ year): Strategy, Funding, Technical leadership.

🎓 EDUCATION

Google Cloud Platform, Online, Google

Jan 2020 - Jan 2020

`Professional  Cloud  Developer` `Associate  Cloud  Engineer`

Functional Programming in Scala, Online, Coursera

Jan 2016 - Jan 2017

`Functional program design` `Parallel programming` `Functional programming principles`

`Big data analysis with Spark`

Mechanical Engineering, BEng Hons, University of Nottingham

Sep 2010 - Sep 2013

🏆 AWARDS

Regional winner, EDT Contribution to the Business Awards

Awarded on: Nov 2010

Awarded for leading a project delivering +£1M annual savings for Rolls-Royce plc.

🧍 VOLUNTEER WORK

Founder, Indie Hacker Manchester

Apr 2019 - Dec 2019

A community for self-funder internet entpreneurs.

Contributor, ASP.NET Core

Dec 2017 - Present

- Created '409 Conflict' controller response.
- Bug fixes for JSON serialization.
- Bug fixes for displaying enumerations.

👍 REFERENCES

Prof. Robin Bargar

> "Charlie is highly collaborative and quickly came up to speed with a project which is very complex. He went the extra mile to perform secondary research and create prototypes to advance the project on schedule."

Paul Gamblen

"Charlie is a flexible full stack developer, comfortable across many languages and technologies. He is professional, hard-working and knowledgeable. A great engineer to have on your team."

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