Charlie Daly

Technolgist, startup founder and community builder.

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🐦 https://twitter.com/thisischarlied

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👤 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   🕑 Recently joined

Freelancing network for the top 3% of global talent.

Consultant, University of Salford

Sep 2019 - Present   🕑 5 months

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

- Advising and implementing modern CI/CD techniques.
- Demonstrating deployments with AWS, GCP and Mongo Atlas.

- Implementing enterprise features such as SSO.

CTO / Co-founder, Funder

Apr 2019 - Present   ⊙ 10 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.
- Created scalable, automated infrastructure on Google Cloud Platform.

Senior cloud engineer (contract), Dunnhumby

Jun 2018 - May 2019   ⊙ 10 months

Building a Platform-as-a-Service for Data Analysts on top of GCP and Kubernetes.

- Developed a set of tools for self-service provisioning of Hadoop/Spark clusters capable of auto-scaling and auto-decommissioning.
- 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.

Front-end developer (contract), AmazeRealise

Apr 2018 - May 2018   ⊙ 30 days

Developed a social training solution for an iconic UK retail brand.

- Developed a .NET Core powered forum management tool for administrators.
- Built reusable UI components to designer specifications for the application front-end.

Software developer, 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 application platform utilising Microsoft Orleans and reactive programming techniques.
- 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.
- Contributed to office culture and colleague growth by initiating and leading the first in a series of educational sessions by presenting a talk on the F# programming language.

Software developer, 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.
- Gained experience of the APIs of companies including Amazon, EBay, Shopify, Magento and BigCommerce.

Manufacturing Systems Intern, Rolls-Royce Plc.

Sep 2009 - Sep 2010   🕐 11 months

Provided technical support and solutions to aid the development of cutting edge manufacturing techniques for the largest defence aquisition project in history, the F-35.

- 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

Certified Associate Engineer, Online, Google

Jan 2020 - Jan 2020

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

Applied mathematics   Fluid mechanics   Thermodynamics

Object orientated programming in Java

🏆 AWARDS

'Contribution to the Business' national finalist, Engineering Development Trust

Awarded on: Nov 2010

Regional winner based on leading a project creating large savings for Rolls-Royce plc.

👍 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.