

# Andrew Lawson

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I'm an experienced software engineer currently working at [Monzo Bank](#).

I'm most comfortable working with distributed systems and microservice platform design, though I have previous experience with monolithic and 'many-service' architectures.

- Scala (incl. Cats), Go, NodeJS, PHP
  - Distributed systems, Cassandra, Kafka, RabbitMQ, etcd, Akka streams
  - AWS, Docker, Hashicorp suite (Consul, Vault, Terraform)
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## Work Experience

### [Monzo Bank](#)

**Snr. Backend Engineer** October 2018 – Present

Working in a small squad within the Money Collective to build out core banking infrastructure. More to info to follow...

### [OnTrack Retail](#)

**CTO** August 2017 – October 2018

Continuing again from my previous role in this company as the Head of Engineering, my role as CTO allows me to focus more on planning current projects and the future of the company's technology.

**Head of Engineering** August 2016 – August 2017

Continuing from my previous role in this company as a Senior Developer, my role as the Head of Engineering involved organising our engineering and QA teams, shaping and simplifying our working processes, and meeting with technical clients and suppliers.

**Snr. Developer** November 2014 – August 2016

This project involved building a complex product within several very tight deadlines to delivery a new train ticket retail system. It was built for some of the country's largest train operators including Southern, Southeastern, Thameslink and Gatwick Express. The system was structured as a network of tens of services. I also lead a team; running agile sprint planning, daily stand-up meetings, and conducting interviews.

### [Graze](#)

**R&D Developer** February 2013 – December 2014

My role in Research and Development at Graze involved many different projects covering a large range of skills and technologies. I spent the first few months building and refining build tools, BDD tests, a database migration system and continuous integration. As a big advocate of open software,

I helped the tech team contribute back to projects we used and open new projects up to the open community.

A large part of my the work was to redevelop the core product dispatch system to help the software scale with the business. This system was the first to be separated from the core service into its own microservice. After many months of group and A/B testing, the new system was gradually released to the rest of the customer base. As of December 2014, its picking algorithms were used to create orders for tens of millions of customers.

## **BraveNewTalent**

**Developer** April 2011 – February 2013

More information available upon request.

## **Fully Charged**

**Developer/Director** July 2010 – April 2011

More information available upon request.

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## **Formal Education**

**Northumbria University, GB** September 2006 – June 2009

More information available upon request.

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