

## Experience

### Monzo Bank

**Senior Backend Engineer** • Sep 2019 - Present

Architected and built Monzo's personal pension product from scratch.

Previously technical lead for 2+ years in operations engineering, leading 30+ projects which totalled over £10M reduction in yearly customer support costs.

- ❖ Designed and lead build on disputes decisioning system which handles £10M+ in reports each year.
- ❖ Built and iterated on an in-house customer support platform, which has scaled from 2 million to 10 million+ customers.
- ❖ Lead teams spanning backend, web, machine learning, mobile eng.
- ❖ Owned and maintained 100+ microservices, using Golang, Kafka, NSQ, Cassandra, Prometheus, Grafana, Kibana.
- ❖ Shipped a new cost-saving experiment every 2 weeks for a year.
- ❖ Trusted architecture reviewer for org wide engineering projects.
- ❖ Onboarding and mentoring new engineers to grow into project leadership roles and achieve promotions to senior
- ❖ Solved major severity incidents as an operations on-call engineer.
- ❖ Interviewed 100+ backend and fullstack engineer candidates.

### Goldman Sachs

**Backend Engineer** • July 2018 - Aug 2019

Building an investment banking equities platform that facilitates multi billion dollar IPOs, including Uber and Slack.

- ❖ Migrated deal syndication platform to Java Spring microservices.
- ❖ Solved incidents as an on-call engineer for various IPO deals.
- ❖ Lead development of internal microservice cataloging tool.

### GCHQ

**Blockchain Researcher** • July 2017 - Sep 2017

- ❖ Completed funded research project titled "Building an academic credential verification system on the Hyperledger blockchain". Built using Golang, Node, Python and Javascript.

### Inventive Cogs

**Software Engineer (Contract)** • Sep 2016 - July 2018

- ❖ Completed funded research project titled "Road Network Load Balancing for Multi-Agent Informal Fleets", presented to the UK government department for transport to help gain seed funding.
- ❖ Supported the development of multiple route planning patents.

## Education

### University of Birmingham

**Computer Science BSc (Hons)**

First class – 81% average.

Dissertation "Road Network Load Balancing for Multi-Agent Informal Fleets" – 82%.

## Skills

Confident in Golang, Python and Java.

Passing knowledge of Javascript, SQL, C.

Able to grasp new languages, systems, frameworks and APIs rapidly.

Proficient in distributed systems theory and practice.

Experience with Git, Cassandra, NSQ, Kafka, Prometheus, Grafana, Docker, AWS, Kibana and more.

## Awards & Projects

### Pedalo

*HackTheNorth, Canada*

Ethereum blockchain based credential verification system, awarded the "best use of blockchain" at the largest hackathon in Canada, received a pre-seed grant from 1517fund.

### The Gadget Show

Developed a speed dating chatbot that featured on the UK TV series. Built the data entry stack using Node and Express. Designed the architecture for the project.

And more at 🖐️ [devpost.com/aranscope](https://devpost.com/aranscope)

## Other

- ❖ PADI Advanced Open Water Scuba Diver – 2024
- ❖ Avid outdoor adventurer – Rock climbing, snowboarding, hiking etc.