

Aran Long

Software Engineer

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Experience

Monzo Bank

Backend Engineer • Sep 2019 - Present

Building a customer relationship management platform that scales to over 4 million customers.

- ❖ Experience with Golang microservices, Kafka, NSQ, Cassandra, React, Prometheus, Grafana, Kibana
- ❖ Lead engineer on multiple operational cost saving projects, totalling £5M per year in savings
- ❖ Rebuilt calls interactive voice response system, resulting in a 20% reduction in inbound
- ❖ Solved major severity incidents as an operations oncall engineer
- ❖ Onboarded and mentored new backend engineers
- ❖ Interviewed backend engineer candidates
- ❖ Experience with many third party APIs: Twilio, SendGrid, Contentful, Intercom etc.

Goldman Sachs

Backend Engineer • Jul 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
- ❖ Wrote performant SQL queries to search through large datasets
- ❖ Solved incidents as an oncall engineer for various IPO deals

GCHQ

Blockchain Research Intern • Jul 2017 - Sep 2017

- ❖ Developed an academic credential verification system on the Hyperledger blockchain, built with Golang, Node, Python, ES6
- ❖ Presented at the National Cyber Security Centre headquarters

Inventive Cogs

Software Engineer • Sep 2016 - Jul 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

Autodesk

Software Engineer Intern • Jul 2015 - Sep 2015

Education

University of Birmingham

Computer Science BSc (Hons)

First class - 81% average

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

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.

BusOff

HackJunction, Finland

Awarded the Deezer prize for developing a virality focused interactive game. Built the gesture detection system using Python, SocketIO, OpenCV.

Notifi.Click

HackUPC, Spain

Awarded the best use of Amazon web services for developing a zero-cost paging system built using a serverless architecture with Lambda, DynamoDB and Amazon dash buttons.

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.

Cisco University Challenge

Awarded first place prize for developing 'Permission Cloud'. A Blockchain based IOT permissions system. Presented to the senior leadership panel of judges.