Aran Long 👋

aran.site
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Experience

Monzo Bank

Staff Backend Engineer • *Sep 2019 - Present*

Working across teams in the Wealth collective: Savings, Investments, Pensions. Current focus on Savings, responsible for systems managing over £10B in balances across 5M+ customers.

Previously, technical lead in several operations teams, leading 30+ projects, scaling from 2M → 10M+ customers and saving £10M+ in annual support costs.

- ❖ Architected, scratch-built and launched Monzo Pension.
- ❖ Architected and lead build on disputes decisioning system which handles £10M+ in reports each year.
- ❖ Trusted architecture reviewer for org wide engineering projects.
- ❖ Owned and maintained 100+ microservices, using Golang, Kafka, NSQ, Cassandra, Prometheus, Grafana, Kibana.
- ❖ Solved major severity incidents as an on-caller in all past teams.
- ❖ Interviewed 100+ backend and full-stack 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" on a Jaguar Land Rover sub-contract. 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

Disambiguating problems, documenting proposals, organising teams around delivering solutions.

5+ years Golang experience, 3+ years Python & Java experience.

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

Other

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