

# Claudia Beresford

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## PROFILE

I am a Golang Software / Systems Engineer based in the UK. I have spent the majority of my career in cloud computing with more than two years as a maintainer of the container runtime for the OSS Cloud Foundry PaaS, and one year as a maintainer of the OSS Liquid Metal project. I enjoy investigating and designing new systems, and mentoring others to be able to do the same. I am dedicated to sharing knowledge with thorough documentation and workshops. I am often asked to step into leadership and product roles, however I am more interested in IC Platform Engineer roles. **I am only open to fully remote opportunities.**

## RELEVANT EXPERIENCE

### Equinix — June 2023 - present

#### Software Engineer

This is a whole new thing, no idea what I'll be doing yet :)

*Skills used: tbd*

### Weaveworks — Nov 2020 - April 2023

#### Senior Software Engineer

Returning to an IC role, I began on the OSS `eksctl` team. I improved the project's OSS presence, management and documentation. I worked closely with industry partners to scope out and develop new features.

After a year I moved to develop the Liquid Metal project; an OSS Kubernetes on bare-metal solution using MicroVMs. I investigated and developed new features; experimented with various hardware and network configurations (using Equinix Metal and Raspberry Pi); performed demos for stakeholders and clients; wrote complete and detailed documentation; designed and POC-ed potential use-cases, such as a bare-metal CI/CD platform. For a time I was the sole maintainer of the project.

*Skills used: Kubernetes, Go, linux system administration, cloud computing, bare-metal computing, linux networking, architecture design, system design, test driven development (TDD), continuous integration (CI), continuous delivery (CD), product management, and edge computing, mentoring, leadership, OSS, Equinix Metal, Raspberry Pi*

**Ori Industries — Jan 2020 - Sept 2020****Lead Software Engineer**

I was initially brought on to lead one team and design and build edge infrastructure automation software using Kubernetes controllers.

**Product Manager**

From May I was asked to act as both technical lead and product manager across three teams. I designed complex systems and led the Engineering and Product departments to meet tight deadlines. I contributed to designing a Product development process.

**Head of Engineering**

From June I accepted the further role of Head of Engineering, and worked to improve engineering hiring processes, developed training programs to help teams upskill, and coached engineers into new roles.

*Skills used: Kubernetes, Go, linux system administration, cloud computing, architecture design, system design, test driven development (TDD), continuous integration (CI), continuous delivery (CD), product management, people management, edge computing, mentoring, and leadership*

**Software Engineer, Pivotal — Jan 2016 - Jan 2020**

- Maintained database service offering for Cloud Foundry PaaS (redis, cassandra, rabbitmq)
- Helped design, build and maintain OSS container runtime for CF PaaS
- Contributed to core OSS container runtime projects runC and containerD
- Gained extensive experience in program, system and kernel debugging. Led initiatives to ensure knowledge was maintained in the team.
- Followed Agile methodologies such as pair programming, TDD and maintaining CI/CD pipelines
- Won 2019 CF community "Quiet Achiever" award for work on linux kernel bugs and solutions for CF container runtime
- Spoke at several conferences about container building
- Piloted a Work Experience program for CS students from minority backgrounds

*Skills used: BASH, Google Cloud Platform, AWS, test driven development (TDD), cloud foundry, bosh, container technology, linux system administration, linux kernel interface programming, concourse and Go*

**Junior Software Engineer, Cloud Credo — Mar 2015 - Jan 2016**

- Worked with various teams to build custom Cloud Foundry solutions for clients
- DevOps and SysAdmin heavy in Linux environments

*Skills used: bosh, cloud computing, cloud foundry, concourse, AWS, linux system administration, Ruby, BASH, test driven development (TDD), and pair programming*

**EDUCATION**

man7 - Linux/UNIX System Programming Training, 2017

University College London — BA Ancient History, 2014