

Maisie Bell

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Career

- **Apple Inc** **London, UK**
Site Reliability Engineer Jan 2021 – present
 - Site Reliability Engineer for the Object Storage team
 - Working with host maintenance and repair automation at Apple scale
 - On call for a highly critical service with millions of customers, requiring extremely high availability
 - Working with a mix of bare metal and a wide variety of orchestration platforms
 - Built a part of a bespoke control plane for running services on bare metal, that managed release safety and integrated with other key partner services
 - Worked on improving the machine provisioning pipeline, automating configuration to reduce manual steps required to run our service
- **Limejump Ltd** **London, UK**
Full Stack Developer Jun 2019 – present
 - Working on 10+ projects across the company, as part of the trading and operations team.
 - Leading and mentoring the team on migrating from ECS + Salt stack to Kubernetes, including running interactive workshops and demos.
 - Working multiple incident on-call rotas, getting exposure to the entire company's tech systems and fixing a wide array of issues.
 - Maintaining Django and AngularJS projects, as well as building features for new Golang & Flask microservices.
 - Introduced new dev tools to the org: Kiali for monitoring service traffic and Jaeger for tracing requests from start to finish.
 - Added stronger integration testing for the trading platform by creating Kubernetes clusters and testing on them as part of the deployment pipeline.
- **State Street** **London, UK**
Microservices Framework Engineer Jul 2018 – May 2019
 - Part of core engineering work to provide Kubernetes-as-a-service, to eventually be rolled out across the business
 - Contributing to high level design of a highly-available, resilient platform as well as implementation details
 - Rolled out and maintained developer tools (Concourse CI and Artifactory) for internal users
 - Working amongst constraints of corporate and industry regulations to provide a secure, compliant framework for developers
- **Bell Software Development** **London, UK**
Various Contract Work Jul 2017 – Sep 2017
 - Various contracting work with a couple of startups during a summer break during my degree
 - Learned and used technologies like React, Firebase, and integrating data into a React Native app

Education

- **University College London** **2:1 awarded**
BSc Computer Science Sep 2015 – Jul 2018
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Skills

Working experience with: Go, Python, Javascript & Typescript, YAML

Web frameworks: Node.JS, React, and Django. Maintained Angular and Flask codebases.

Data and networking technologies: PostgreSQL, Nginx, UNIX shells and continuous integration systems (Concourse, Jenkins, CircleCI, GitHub Actions). Limited knowledge of Kafka.

DevOps: Experience building, running and maintaining Kubernetes services and cloud services, using provisioning tools like Ansible, Terraform and Salt, and using monitoring tools like Prometheus, Grafana and distributed tracing systems. Experience with Istio.

Projects

More projects (plus source code) is available at <https://mbell.me/projects>.

Healthcheck-Controller: A Kubernetes controller to monitor service health (rather than pod health).

Haul: A service for storing notes, thoughts, and other free-form information. Built with Ruby on Rails.

UCL Assistant: An app to improve student life at university, using the UCL API to fetch timetables and study space availability.