

Matt Bell

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Career

- **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
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Education

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

Languages: Working experience: Go, Python, Javascript & Typescript, YAML
Intermediate: C

Web Technologies: Experience with popular web technologies such as Node.JS, React, and Django. Maintained Angular and Flask codebases.

Data and networking: Experience using database systems (PostgreSQL), web server software (Nginx, Apache, Istio), 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.

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.