

# 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
- **Interrodata** **London, UK**  
Frontend Development (Contractor) Aug 2017 – Sep 2017
  - Worked to integrate separate API backend (written in Python) with frontend app (written in React)
  - Set up automated build pipeline, including testing and code linting/formatting
  - Built new features for the frontend, including a sophisticated autocomplete system.
- **Pip App** **London, UK**  
Backend Developer Intern (Contractor) Jun 2017 – Jul 2017
  - Setup cloud data store (Firebase) and built admin interface/sync tool using Node.JS
  - Worked on integrating data into app, built on the React Native platform
- **Netcraft** **Bath, UK**  
Internet Services Developer (Internship) Jun 2016 – Sep 2016
  - Maintained production servers and supported devops work, as well as working as the primary on-call systems admin at times.
  - Develop new features for the company's systems including package version archiving and input validation for the fraud detection systems.
  - Helped to set up clients on the internal systems and write config files for them.

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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.

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## 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.