

CIARAN MCKEY

Engineer Lead

 ciaranmckey@gmail.com  +44 7472 557 891  Cambridge, UK  [linkedin.com/in/ciaran-mckey](https://www.linkedin.com/in/ciaran-mckey)
 github.com/thewatergategroups

EXPERIENCE

Engineering Lead

 Darktrace

 Jan 2024 - Present  Cambridge, UK

- Running a team of 3 set to grow to 8 by the end of year.
- Architect, Build and Deploy customer facing production multitenant applications on Kubernetes.
- Working cross discipline with product, UI, design and other stakeholders to meet business objectives when developing customer facing applications.

Software Engineer

 Darktrace

 Apr 2021 - Jan 2024  Cambridge, UK

- Architect, Build and Deploy customer facing production single tenant product applications on Kubernetes.
- Build Authentication mechanisms to ensure customer data separation in production environments.
- Build customer provisioning pipelines.
- Help solidify company microservice development best practices within Darktrace.
- Manage production release cycles.
- Talk with customers to help them deploy and debug issues.

System and Backend Developer

 Play Well for Life

 Jan 2020 - Apr 2021  Surrey, UK

- Deployed Applications on ECS
- Worked cross discipline to build a Hybrid application (Hardware and Software)
- Developed a Java Application with a SQL backend
- Built CI/CD pipelines
- Built Customer Portal with Bubble.io:

HOBBY PROJECTS

Stock Trading Bot.

I have built out a stock trading bot using Alpaca Trading Webhooks and API's, Python, Postgres and Redis. This bot is deployed on Kubernetes through my homelab IDP.

Homelab Internal Developer Platform.

I have been building out my homelab for approximately a year and have ended up with what is essentially an internal developer platform built on kubernetes for the quick deployment of applications. Using mostly open source tooling, as well as a home grown Identity Provider that I built with the aim of understanding in depth OIDC and JWT authentication.
For architecture diagrams and more please go to <https://docs.thewatergate groups.com>

EDUCATION

BScEng Hons in Computer and Electrical Engineering

University of Cape Town

Grade: 2.1

 2016 - 2019  Cape Town, South Africa

HOBBIES

 Rock Climbing

 Traveling

 Coding

PROFICIENCIES

- Developement
 - Python
 - Golang
 - Docker
 - Linux
 - Databases and Queuing (PostgreSQL, Dynamodb, SQS, Redis etc.)

- DevOps
 - AWS
 - Kubernetes
 - Helm
 - Terraform

- Soft Skills
 - System Design (Application Architecture)
 - Management
 - Communication and Collaboration