

## Overview

### Languages

- Typescript
- Golang

### Team

- Servant-Leadership
- Remote-First
- XP

### Tools

- Docker
- Kubernetes
- Terraform

### Concepts

- Microservices
- Infrastructure As Code
- Quality

## Experience

2019– **Senior Consultant** → **Lead Consultant**, *Thoughtworks*, Berlin, [www.thoughtworks.com](http://www.thoughtworks.com)

Consultant developer applying agile methodologies to solve a variety of technology-adjacent problems.

- Currently leading a team of engineers delivering the navigation component of a brand homepage (1M+ monthly unique pageviews)
  - micro-frontend architecture, AWS infrastructure
- Led a team of a dozen engineers, distributed between Germany and India, that delivered cloud functionality for an enterprise IOT R&D project
  - golang microservices, Azure infrastructure
- *Performance Partner*: Responsible for joint goal setting and assessment for five engineers

2015–2019 **Software Engineer** → **Senior Software Engineer**, *Tes*, London → Remote, [www.tes.com](http://www.tes.com)

Part of an agile, cross-functional team incrementally improving products for educators and students around the globe. Mostly focussed on the *Employer Portal*.

- Recognised for writing maintainable, testable, readable code whether working on greenfield projects, large-scale refactors, or legacy-code maintenance.
- Instrumental in the adoption of much of the technology stack, and many of the coding patterns, now used across the department.
- Ran the technical portion of our Engineer interviews (an hour-long code-pairing exercise).
- Mentor for other Engineers in the department.
- *Project Parent*: Entailed gathering technical requirements, writing story tickets, and managing resources.

2012–2015 **Junior Drupal Developer** → **Developer**, *BMJ*, London, [www.bmj.com](http://www.bmj.com)

Lead developer and part-time SCRUM master for BMJ Quality and BMJ Job Reviews API.

- Self-taught PHP & Drupal, and later Node.js & Angular.js.
- Managed major refactor of a large Drupal application: monolithic codebase was broken down into loosely-coupled modules.
- *Voice of Technology* on a company steering committee.
- Designed and wrote the bulk of a Node.js hypermedia API supporting an Angular 1.0 front-end.

2010–2012 **Drupal Product Consultant**, *Firmstep*, Cambridge → Remote, [www.firmstep.com](http://www.firmstep.com)

Delivering highly-customised Drupal 7 websites to customers in the public sector.

- Devised and ran training for groups of up to a dozen people at all levels of IT experience.
- Wrote documentation for both internal and customer use.
- Liaised between project management, customers, and developers.

## Education

2006–2010 **Master of Physics (MPHYS) in Physics with Philosophy**, *University of York*, 2:1

Thesis required computationally modelling a quantum particle using Fortran 95.

## Extra-Curricular

CKA Became a Certified Kubernetes Administrator in February 2022

Homelab Provisioning and tinkering with a bare-metal k8s cluster.