David Guy John

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◐ Experience

Ultraleap
Senior Infrastructure Engineer

December 2022 to present
Bristol

> Part of a small MLOps team created to replace a legacy machine learning platform.
> Mainly responsible for building the Kubernetes based infrastructure to support scaling large workloads across many GPU instances.
> Wrote a number of supporting Python services for metrics and monitoring using FastAPI.
> Eventually took ownership of much of the internal CI infrastructure, with a focus on automation, monitoring and maintainability.
> Heavily involved in management and cost-saving efforts across the companies entire AWS and Azure domains.

Bud
Contract Senior Software Engineer

April 2022 to June 2022
Remote

> Brought in to extend Open Banking functionality into existing services.
> Role was entirely backend focussed, writing Go in a Kubernetes based micro-services environment.

Digital i
Contract Senior Software Engineer

September 2021 to January 2022
Bristol

> Responsible for improving and extending data ingestion systems in a video on demand analytics product.
> System was split between a Chrome browser plugin, a Python Flask API backend and a React frontend.

OVO Energy
Senior Software Engineer

July 2020 to April 2021
Bristol

> The team was focussed on building and improving tools to be used by first line customer service agents.
> Full-stack Typescript code base running on Kubernetes, with a React front-end, integrating with Kafka.

Echo
Contract Senior Software Engineer

Jan to June 2018, Oct 2018 to Feb 2019 and April to May 2020
London

> Focus was on building a resiliant, highly available system to handle prescription requests and fulfilment.
> Migrating a mostly monolithic back-end application onto a GCP Kubernetes hosted, micro-services infrastructure.
> Services were built in Go, using gRPC, but with a small number of Node.js services where suitable.

Red Badger
Contract Senior Software Engineer

September to December 2017 and March 2019 to April 2020
London

> Working as part of an agency team on digital transformation projects for a high-street bank
> Building operational dashboards and doing production readiness work on backend systems
> Full-stack Typescript code base running on Kubernetes, with a React front-end

Rightly
Part-Time Contract Senior Fullstack Developer

July 2017 to August 2018
London

> Built initial MVP and worked with founders on product focus and technical discovery.
> Aim was to bootstrap and then rapidly iterate on the initial Django application, before handing it off to a separate agency to continue work.

ustwo
Senior Fullstack Developer

August 2015 to August 2017
London

> The majority of the work was centred around product discovery in combination with user testing. The aim being to validate or disprove ideas as quickly as possible.

Pusher
Platform Engineer

August 2014 to July 2015
London

> Worked to build a new distributed messaging bus in Haskell to replace the existing Redis implementation

Mind Candy
Tools Software Engineer

April 2012 to July 2014
London

> A varied role involving building internal tools, maintaining C.I. systems and supporting product teams.
> Mix of Scala/Play Framework, Backbone/Angular and Python with PostgreSQL

Fidessa Plc
Operational Engineer

Jan 2009 to April 2012
Woking, Surrey

> Part of a small support and development team, responsible for creating capacity planning and server management tools.

🎓 Teaching

23 Code Street
Teacher

December 2018 to February 2020
London

> 23 Code Street is a coding school run specifically for those who identify as female or non-binary, with the aim of helping under-represented people get into tech jobs.
> I was responsible for helping create and then teach a new, more JavaScript focussed curriculum.

🏛 Education

University of Reading
BEng Electronic Engineering 2.1

2005 to 2008

> Programming was entirely C and C++ with an emphasis on embedded systems
> Gained a solid grounding in DSP theory and engineering mathematics.

Eton College

1999 to 2004

A Levels	Physics, Maths and Further Maths
AS Levels	I.T. and Electronics
GCSEs	English, French, Latin, Chemistry, Physics, Biology, Maths, Electronics

⚙ Technical Skills

Languages	JavaScript, TypeScript, Go, Haskell, Python, C
Frameworks	React, Express, Flask, FastAPI, Django, Lile
Databases	PostgreSQL, MySQL
Tools	Git, Docker, Terraform, Ansible, General *nix sysadmin
Infrastructure	AWS, Kubernetes
Management	Agile Development Practices, DevOps, Continuous Integration and Delivery