

# David Guy John

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## Experience

### Bud

April 2022 to June 2022

*Contract Senior Software Engineer*

*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

September 2021 to January 2022

*Contract Senior Software Engineer*

*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 API backend and a React frontend.

### OVO Energy

July 2020 to April 2021

*Senior Software Engineer*

*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

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

*Contract Senior Software Engineer*

*London*

- Focus was on building a resilient, 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

September to December 2017 and March 2019 to April 2020

*Contract Senior Software Engineer*

*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

### ustwo

August 2015 to August 2017

*Senior Fullstack Developer*

*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

August 2014 to July 2015

*Platform Engineer*

*London*

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

### Mind Candy

April 2012 to July 2014

*Tools Software Engineer*

*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

## **Interests**

My interest in software came initially from my interest in electronic hardware. Specifically building guitar effects and learning about synthesizers. At some point I realised that the speed of iteration with software is significantly quicker and so it became more of a focus for me.

I regularly do visual performances as part of the live-coding scene and build tools, environments and languages to help me do that.

Outside of coding and art, I'm a keen rock climber, having now spent a significant amount of time climbing in the U.K. and beyond. My decision to relocate to Bristol was mainly down to wanting to be in a better location, so I can spend more time falling off cliffs.

Public speaking is something I enjoy and am always looking for opportunities to do more, whether that be in a technical capacity or otherwise. I've previously presented on subjects ranging from software tool development to language design for live coding environments.

## **Technical Skills**

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