David Guy John

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ℹ Summary

As an engineer, over the last few years I have found my interests shifting from being primarily focussed on the technical aspects of my role, toward a much more people oriented point of view. This has been as much about understanding how users interact with the tools and software I'm building, as it has improving how I work with other people on the projects I've been involved with.

I'd very much like to find a role that would allow me to continue building and developing systems that have an impact on real people, whilst also letting me use and improve the product and team-centric skills that I feel I've been developing in the last few years.

◔ Experience

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 for a money transferring app.
> Full-stack Typescript code base running on Kubernetes, with a React front-end

Echo
Contract Senior Software Engineer

January to June 2018 and October 2018 to February 2019

London

> Helped to migrate a mostly monolithic back-end application onto a Kubernetes hosted, micro-services infrastructure.
> Services were built in Go, using gRPC, but with a small number of Node.js services where suitable.

Verisart
Contract Senior Software Engineer

September 2018 to October 2018

London

> A short-term contract to ship supporting APIs for a new web front-end and partner integrations.
> Large Go monolith running atop PostgreSQL, using OpenTimestamps for block-chain integration.

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

🎓 Teaching

23 Code Street   December 2018 to February 2020
Teacher   *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   2005 to 2008
BEng Electronic Engineering 2.1

> 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, Scala, Python, C
Frameworks   React, Express, Flask, Django, Lile, Play
Databases   PostgreSQL, MySQL
Tools   Git, Docker, Terraform, General *nix sysadmin
Infrastructure Google Cloud, AWS, Kubernetes
Management   Agile Development Practices, DevOps, Continuous Integration and Delivery