

# STUART DALLAS

Reading, UK

<https://cv.stut.me/>

stuart@stut.net

+44 (0) 7976 608 527

## OVERVIEW

- 25+ years in software engineering across a wide range of companies and industries.
- Recruited, mentored, and managed software engineers of all levels.
- Track record of delivering quality software, both as an IC, and as part of a team.
- Experienced in a variety of languages, with a recent focus on Go and Python.
- Passionate about development processes, automation, and CI.
- Effective verbal and written communicator.

## CAREER HIGHLIGHTS

- Built a secure hybrid platform for a medical device, scaled to 100+ installed sites.
- Designed and led the implementation of a social network for the travel industry.
- Created a multi-tenant CMS for a luxury travel company, with significant cost savings.
- Rebuilt a classified ads website helping achieve a 3x growth in MAU.
- Built an agent to report hardware & software to an asset tracking system for schools.
- Mentored several junior & mid-level engineers, helping them grow into senior roles.

## KEY SKILLS

*used recently; for a full list see LinkedIn\**

- **Hard:** Requirements gathering, system design, technical and user documentation, defining and implementing development processes, effective communication across all levels, automation, CI/CD, code reviews.
- **Soft:** Pastoral care, mentoring, recruitment, and professional development.
- **Languages:** Go, Python, HCL, HTML / CSS / JS / TS / React.
- **Tools & technologies:** Kafka, Cassandra, Docker, IaC (Terraform, Ansible, Chef), Cloud (mainly AWS, some GCP and others), Nomad / Consul.

## PROFESSIONAL EXPERIENCE

**Monzo** • London (remote), UK

**Backend Engineer (Contract)**

*Jun 2023 - Sep 2024*

- Joined the Cards Squad, which handles card issuing and payment processing.
- Go-based microservice codebase, running on Kubernetes, AWS Keyspaces, and Kafka.
- Addressed several areas of long-standing tech debt.
- Improved observability and reduced alerting noise.
- Applied current internal best practices to legacy code.
- Worked on key pieces of the integration with Mastercard.
- Contributed to platform tools and libraries.

## **Oxehealth • Oxford, UK**

### **Lead Platform Architect**

*Dec 2020 - Mar 2023*

- Responsible for the architecture of the product and cloud platforms.
- Worked with the SRE & compliance teams to ensure platform reliability and security.
- Hands-on role in platform development, team mentoring, and code reviews.
- Served as the technical authority on the platform across the company.
- Built several internal CLI tools and web-based (React) frontends.

### **Systems Architect**

*Feb 2017 - Dec 2020*

- Created a secure, remotely-managed platform for installation on customer sites.
- Technology used included Python, Chef, Ansible, MySQL, KMS, OpenVPN, Prometheus/Grafana, Consul/Vault/Nomad, Jenkins, and GitLab CI.
- Built a supporting cloud infrastructure on AWS with Terraform, including large-scale data storage and analysis tooling, and secure remote access to deployed systems.
- Scaled from one installation in 2017 to over 100 as of early 2023.

## **3ft9 • London/Reading, UK**

### **Contract Software Engineer**

*May 2010 - Dec 2020*

A representative selection of work undertaken:

- **Oxehealth:** evaluated options for storing large amounts of video and numeric data.
- **Cognitive Logic:** reviewed an internal Python project for viability as a standalone product; prepared the codebase for production use.
- **Powder Byrne International:** PHP/MySQL website, built a custom multi-tenant CMS.
- **Travel Weekly Group:** recruited and led a team to build a vertical social network using PHP, MySQL, and Neo4j.

## **Datasift • Reading, UK**

### **Technical Architect**

*May 2015 - Oct 2016*

- Designed several significant platform features and led their implementation.
- Contributed to the platform architecture, development processes, and QA controls.
- Expanded line management and mentoring responsibilities.

### **Principal Engineer**

*Jun 2014 - May 2015*

- Ran a team of Scala developers, focused on the ingestion end of the platform.
- Worked with the VP of Engineering to introduce and refine an agile dev process.
- Line-managed and mentored two junior developers.

## **EARLY CAREER**

*see LinkedIn\* for details*

**Freeads Classifieds •** Head of Technology

*Mar 2007 - Aug 2011*

**IT Vision •** Senior Software Engineer

*Feb 2005 - Mar 2007*

**TRADA •** Software Engineer

*Jul 2003 - Feb 2005*

**RCP Consultants •** Software Engineer

*Jun 2000 - Apr 2003*

**Lab Impex Systems •** Software Engineer (BSc year in industry)

*Jun 1998 - Sep 1999*

## OTHER WORK

---

### *Personal projects*

- **MyEPR:** Personal Electronic Patient Record; WIP, currently for personal use only.
- **Photography:** various types, including a stint covering UK and France-based SBK.  
» <https://stuarddallas.photography/>
- **Hosting infrastructure:** small Nomad/Consul cluster.  
» <https://go.stut.me/platform>
- **Aleff:** Automated Let's Encrypt For FabioLB (built for my platform).  
» <https://aleff.dev/>
- **TwitApps:** Reply and follower notifications for Twitter.  
» Launch: <https://go.stut.me/twitapps-launch>  
» Shutdown: <https://go.stut.me/twitapps-shutdown>
- *More on GitHub.*  
» <https://github.com/stut>

### *Collaborations*

- **1000 Players - One Game of Doom:** supplied and configured servers, added metrics, and scaled to support up to 4,000 simultaneous viewers. Skip to 14:00 for the action.  
<https://go.stut.me/twitch-doom-video>
- **The Spodcast:** geeky podcast; producer and co-host.  
» <https://spodcast.org/>
- **TwitOrFit:** hotornot for Twitter; architecture and backend implementation.  
» <https://go.stut.me/twitorfit>
- **Tweetmeme:** Twitter link aggregator; architecture and initial backend dev.  
» <https://go.stut.me/tweetmeme>
- **retwt.me:** architecture and backend implementation.  
» <https://go.stut.me/retwtme>

## EDUCATION

---

### **Bournemouth University**

*BSc (Hons) Software Engineering Management*

*1996 - 2000*

*\*<https://go.stut.me/linkedin>*

*Last updated: July 22nd, 2024  
Latest version at <https://cv.stut.me/>*