

Daniel Keast

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Introduction

Senior software engineer specialising in complex, high-performance systems and large-scale public sector delivery. Experienced technical lead known for architectural judgement, mentoring engineers at all levels, and driving pragmatic improvements to code quality, delivery processes and system design.

Experience

2021–2026 | **Senior Java Developer at Create Future**

Public Sector contract

- Security Cleared Tech Lead for a large public sector contract. Led a team delivering several large and high-impact features.
- Mentored each engineer on the team with the issues that they were facing in a very complex application. This included brand new developers writing their very first MR, as well as experienced seniors with intricate bugs and architectural questions.
- Built enough trust with the project leads to be appointed as a second line reviewer. The first in Create Future, and one of the first two non-client reviewers on a project with hundreds of engineers.
- Drove the adoption of multiple code quality build tools, iteratively introducing both standard and custom checks.
- Drove UI redesigns of features with the UX team, going from an overly complex and incomplete design to something much simpler and clearer.
- Identified architectural flaws that risked data corruption in a critical feature and led a full redesign. The resulting implementation was significantly simpler and reduced development estimates by two thirds.

Gambling contract

- I was the senior developer in a team creating new promotion types for a very large and highly performant promotions engine.

- Created a new project that Dockerized the collection of micro services, this automated their setup and the running of their test suites. This brought the time to onboard new developers from over a week to thirty minutes.
- Served as a Devops engineer updating multiple applications and their configuration to enable the launch of their services into Canada.

Non Project

- Over three years I acted as a mentor for a junior developer, helping them with their skills and confidence, leading to a promotion.
- I was deputy of the Java Community group, running presentations, organising meetings and standardising our practices.

2021 **Lead Android Developer at White Swan Data**

- Sole developer on a greenfield private Android application to support runners placing bets in bookies.
- Ran the full development life-cycle, quickly iterating on feedback from data scientists and the runners.

2013–2021 **Software Developer at Landmark Solutions**

- Worked on several multi-million pound government contracts, including leading the development of the bordereaux system for the FloodRe reinsurance scheme. I designed the architecture, built tools and scripts to create a rigorous continuous deployment pipeline, and wrote several sections of the Angular frontend and Dropwizard backend.
- Spent three years developing the Met Office Android app, including making it GDPR compliant and improving its accessibility. Regularly directly worked with the client producing iterative changes and responding to feedback.
- Drove the adoption of Agile methodologies on several projects, and introduced many code quality practices and tools.

2020–2020 **Freelance Android Development for Attomarker**

- Developed an Android app that presents the results of a Covid-19 antibody test. Used Kotlin and MVVM, with AWS Cognito for account management.

2012–2013 **Software Developer at FlyBe**

- Performed maintenance on the public website and check-in machines. Worked on adding new features including the booking of car parking spaces during the purchase of flight tickets.

- Provided technical support for the help desk. As a part of this I wrote several scripts that were used across the team for collating logs and data across the disparate systems given some information about an account or booking.
- Worked on the multi-million pound project to rewrite the company's systems from scratch using service-oriented architecture.

2005–2012 **Software Developer at Vital Pet Products**

- Setup and managed Linux servers to run the company's internal infrastructure, public website and CD based ordering system. Used various open source clustering tools to ensure zero downtime and no maintenance windows. Created tools to monitor and notify of the status of the various systems.
- Led the development of the CD based ordering system written in Java. Worked directly with customers to produce requested features such as a shelf edge label designing system with barcodes for stock management.
- Developed the public website in PHP, through redesigns and new features including a pet shop locator. Developed a separate website for pet shops to advertise and post updates about their businesses.

2003–2004 **IT Officer at Cornwall Neighbourhoods for Change**

- IT support and network technician for several offices around Cornwall. Developer for the public facing website written in PHP.

Education

2001–2003 | BSc (Hons) in Computer Science, University of Plymouth.