

Jenny Sharps

Senior Software Engineer

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Personal Profile

With a background in art and visual communication, I have over 10 years of practical experience as a software engineer. Having worked in startups as well as medium-sized and “Big 5” consultancies, my approach to software engineering involves doing sufficient up-front discovery of the problem space to enable making the right tech decisions for the job.

Core Skills

- DevOps, IaaS/PaaS
- Rust
- GraphQL
- GCP, Kubernetes, Istio
- Golang
- TypeScript
- CI/CD, ArgoCD
- Node.js
- React, React Native

Career Summary

2018 – present **Senior Software Engineer Consultant**
Red Badger

Role outline

Hands-on engineering consulting role working on digital transformation projects for Nando's UK (restaurant chain) including a DevOps platform, cardless loyalty program, and end-to-end online ordering system.

Achievements

- Part of a small team put in place to set up a DevOps platform, now used across the entire organisation (c. 100 engineers) utilizing "build-from-source" and "dependency-aware build pipeline" approaches in a monorepo to achieve agility at scale
- Participated in discovery-heavy project to deliver an all-digital loyalty experience using NFC and Apple Wallet. As one of the first consumers of the technology in the UK, this involved prototyping an end-to-end journey including the development of USB drivers for parsing NFC data and pipelining it into an existing POS system. The prototype evolved into a suite of APIs and integrations to enable the customer on-boarding and loyalty engagement journeys currently in production
- Led the development of a Rust microservice to act as middleware between a complex, legacy internal system and 3rd party integrators. The service was developed at short notice due to urgent business demand (Covid), has so far handled >5M requests over the course of 6 months, and is both in use and under active development today
- Technologies utilized included: Rust, Golang, Node.js, TypeScript, React, React Native, GCP, Buildkite, Kubernetes, Istio, ArgoCD, Terraform, Bash

2017 – 2018 **Software Engineer Consultant**
Deloitte Digital

Role outline

Hands-on engineering consulting role, working as part of various cross-functional teams delivering data-driven front end applications

Achievements

- Built a live trading platform for a client in the banking sector using Typescript and React
- Led the development of a chat bot user interface for a leading pension provider, providing digital pension advice driven by a back end decision engine

2016 – 2017 **Frontend Software Engineer**
Gousto

Role outline

Product-heavy front end engineering role for an eCommerce website across various customer journeys such as the product details page, recipe book, and account management and retention journeys

Achievements

- Delivered an bespoke isomorphic (server rendered) React application
- Captured relevant analytics for use in product decision-making
- Contributed to the development of a style guide a design system

2012 – 2016 **Lead Web Developer**
Accenture

Role outline

Work as part of global team in an agile environment to develop and configure websites and microsites for an undisclosed television and media network

Achievements

- Led team to build the secure account section for a network's online and catch-up offering
- Contributed to new content platform by creating modules and new functionalities on top of WordPress

2011 – 2012 **Optimum 7**
Web Designer/Developer

Role outline

Develop WordPress themes and custom plugins, design and code websites and landing pages, add functionality to client sites and perform browser testing

2011 **Florida International University**
Web Developer (Contract)

Role outline

Collaborate on website development to overhaul GIS Lab website. Extended WordPress into a custom CMS to support course listings, course calendar, and relevant department information

Education

2007 - 2010 **B.A., Visual Communication** (The American Univeristy of Rome)

2004 - 2006 **A.A., Business Administration** (The Honors College at Miami Dade College)