

# Olly Spooner - CV

## Contact info

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## Professional Summary

I am an experienced Developer and Development Manager with over 20 years of experience in software development and IT management. I have been developing with Mendix since 2017, and skilled in web apps, and project management. I have led my team to deliver innovative solutions that have improved efficiency and user experience in many areas.

## Skills

### Management skills

- Line management experience
- Project management

### Analytical skills

- Problem-solving
- Systems analysis and architecture

### Technical skills

- Mendix, JavaScript, Java, C#, PowerShell, XSLT, XProc, HTML/CSS
- CI/CD, Docker, Linux & Windows servers, NGINX
- Systems integration, APIs

### Data skills

- Database management
- SQL (Postgres, MS SQL, MySql etc.)

### Other

- 3d modelling and CAD

# Employment

## Development Manager @ ShelterBox Trust

November 2013 – Present

### *Projects*

These are some Mendix app projects that I have contributed to.

#### *Ops App (Developer)*

In **2017** the organisation set ambitious targets for our aid delivery numbers. It was clear that we could not simply hire more people, so a project was initiated to analyse, improve standardise and automate our processes. The automation part necessitated some form of software development capability, as we had determined that there was no off-the-shelf application suitable. We chose Mendix as the solution for this. We succeeded in making the app the single source of truth for our aid delivery management, allowing for fast and accurate reporting.

#### *Volunteer Portal (Lead Developer)*

I rewrote a volunteer management system that I had previously developed using SharePoint. Using Mendix allowed the app to include many improved features, including self-service volunteer information, volunteering opportunities logging and sign-up and a volunteer availability calendar.

The application was later rebuilt to support a change to Blackbaud CRM. We took the opportunity to redesign the interface to more closely resemble the current corporate styling.

#### *Supply Chain Apps (Lead Developer)*

ShelterBox's inventory tracking lacked a lot of detailed information needed by the Supply Chain Team, so we developed a suite of apps to fill this gap. The "Product Catalogue" holds detailed information on every aid item, including images and details of how they are packed and palletised. The "Inventory App" is a transaction-based system that tracks stock in warehouses and movements between them. Finally, the "Shipping App" handles the actual consignments that facilitate the stock movements, including quotes for shipping and providers.

#### *Donations App (Lead Developer)*

The existing system was hard to support being built on an obscure PHP framework. It also took the Supporter Care team a long time to process donations. We designed a Mendix App that was presented in an iframe on the website page. Use of a custom "Journey" url parameter allows different features and codes to be applied to the donation journey based on the page on which it is displayed. Donation processing time was reduced by over 75%.

#### *Mendix on-premises hosting project (solo internal project)*

I designed and implemented a CI/CD system using Docker that automatically deployed commits to our local servers, complete with automatic TLS certificate issuing using Lets Encrypt.

### *Libraries and widgets.*

Here are a few libraries and widgets that I have written for Mendix apps.

### Word document generator

Used for generating documents in the Ops App, this module uses XSLT to transform data exported from the Mendix domain model into the component files for the Word document.

### CARE NG CRM integration

This used an in-the-middle Mendix app to provide a 2-way synchronisation of contact data between CARE and the Volunteer Portal.

### Blackbaud Enterprise CRM integration

This integration library uses XSLT to solve incompatibilities between the BBCRM SOAP API and the structures supported by Mendix. This integration library has been added to all of our apps.

### Access Dimensions integration

I wrote this integration between the Product Catalogue and our Finance system to keep the 2 lists of products in sync.

### International phone number widget

This is a Mendix widget that uses the Google PhoneLib telephone number validation library to produce consistently formatted phone numbers for any country.

## Shop Manager @ Sea Kayaking Cornwall, Falmouth

April 2012 - October 2013

- Managed bookings, customer service and payments, coaches and equipment.
- Managed the accounts, sales and stock for the shop.
- Occasional guiding.

## I.T. Manager @ Philip Whear Windows & Conservatories Ltd., Redruth

March 2004 – March 2012

- Managed IT hardware, telephony systems.
- Managed window and conservatory software.
- Managed the paintshop.

## Artwork @ Eden Project, St. Austell

May 2003 – December 2003

- Painted a mural and various "hidden" messages around the site.

## Building work in Aveyron, France

February 2003 - May 2003

- Assisting in converting a derelict barn into a habitable dwelling.

## I.T. Manager @ General Pattern Co. UK, Basildon, Essex

July 1999 – February 2003

- Managed rapid prototyping machinery (SLA/SLS).

- Repair and processing of 3d CAD.
- IT support.
- Programmed CNC milling equipment using gcode.

## Education

### BA (hons) Three-dimensional design

Kent Institute of Art & Design, Rochester - Sept 1996 to July 1999

### BTEC Diploma in Foundation Studies

Falmouth School of Arts - Sept 1995 to July 1996

### A-levels

Truro College - Sept 1993 to July 1995

- Art & Design, Design Technology and Computing.

### GCSEs

Penair School, Truro - Sept 1988 to July 1993

- English Language, English Literature, Design & Realisation, Art & Design, Combined Science (Dual), Mathematics and History.

## Other interests

In my spare time I enjoy the outdoors: walking, camping, kayaking, canoeing and climbing. I am a Scout leader with the Stithians Scout Group and a long-standing member of Falmouth Canoe Club.