

# David Winch

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<b>Current role</b>	Non-Executive Director at Prickles and Paws Hedgehog Rescue and Co-Founder/Software Developer at Lux Co Creative
<b>Experience</b>	Fundraising, Analytics, Learning, Charity, Nature, Retail, B2B, eCommerce, Marketplace
<b>Technologies</b>	SQL, Python, Power BI, Pandas, CSS, HTML, JavaScript, Django, Flask, AWS, C#, NumPy, Scrapy, REST API

## I like to work with people who...

strive to improve their skills; are collaborative, open-minded, and enjoy problem-solving; are able to articulate their ideas and feedback; understand the importance of clean, well-tested code.

## Work experience

### Non-Executive Director, Prickles and Paws Hedgehog Rescue 🇬🇧

Apr 2023 – Present (4m)

A charity caring for sick, injured and abandoned hedgehogs  
Fundraising · Analytics · Learning · Charity · Nature

SQL Python Power BI Pandas

- Implemented a digital system, Animal Shelter Manager, resulting in improved operational efficiency and streamlined processes.
- Developed SQL-based reports to generate actionable insights within the Animal Shelter Manager platform.
- Utilised Python and Pandas for thorough data cleaning, ensuring accurate and reliable data analysis.
- Created comprehensive reports and dashboards using data analytics systems to support strategic decision-making.
- Effectively communicated technical concepts to diverse audiences.

### Co-Founder/Software Developer, Lux Co Creative Lux

Nov 2020 – Present (2y 9m)

Manufacturer of branded clothing items  
Retail · B2B · eCommerce

SQL CSS HTML JavaScript Python Django Pandas Flask

- Established and managed a design and print studio, leveraging technical expertise to drive efficiency and growth in the B2B market.
- Overseeing day-to-day business administration, including managing customer, supplier, and provider relations.
- Successfully led the business through the IPO's trademark process.
- Contributed to an open-source Python library for the Etsy V3 API.
- Implemented seamless two-way integration with Amazon and Etsy APIs to simplify product page and image management and order processing.
- Automated financial data processing, parsing and extracting data from PDF files, and creating associated records in accounting software using Xero's API.

- Integrated with Royal Mail, Amazon Shipping, and Parcel2Go APIs for batch creation of shipping labels and uploading of tracking data using Fast API, Jinja2 and SQL Model.
- Developed automated asset creation tools using Adobe Photoshop/Illustrator and JavaScript.
- Automated product and seller review requests using AWS Lambda.
- Created designs using vector graphic applications.

## Software Developer, Polgannel Solutions Ltd

Jul 2012 – Dec 2022 (10y 5m)

B2B · Marketplace · eCommerce

SQL AWS Python C# NumPy Pandas Scrapy REST API

- Integrated with multiple eCommerce APIs (Amazon, eBay, Etsy, Shopify) to maintain product listings, upload product imagery, and synchronise inventory availability/stock.
- Developed an image creation toolset in Python (using Pillow and TKinter) to generate over 200,000 images
- Used C# and T-SQL to extract order data from Linnworks Order Management Software's API for processing in Python and Pandas, and uploaded the data to accounts via the QuickBooks API.
- Created a system in App Sheet for B2B and B2C order creation and management. Integrated with the Stripe API, allowing for payment and automatic accounting detail creation via the Quickbooks API
- Updated stock item details and stock levels in bulk using C# and Transact-SQL.
- Designed and implemented an automated stock ordering system in PHP, which utilised the Slack API for notifications.
- Used Scrapy, Selenium and BeautifulSoup to web-scrape product data.
- Created a product data creation wizard using VBA to generate inventory files
- Analysed sales data using Pandas to support business planning and decision-making.
- Optimised the production of order designs using Python and CorelDRAW to drive efficiencies.

## Education

### Swansea University

Sep 2009 – Jun 2012 (2y 9m)

Undergraduate Degree (First Class Honours) Computer Science

- Specialising in Java development, my dissertation focused on creating a calendar application for Android – focusing on adding and extending functionality and crafting a smarter UX.

## Snippets

### Twitch Stream Shout Outs @ [shoutouts.davidwin.ch](https://github.com/shoutouts.davidwin.ch)

A tool that enables streamers to play Twitch clips during their live streams. The tool was developed using the FastAPI web framework for Python and integrates seamlessly with the Twitch API.

### AR Block Builder Android App @ [github.com](https://github.com)

An Alternate Reality app that was created using AR Foundation and ARCore XR in Unity. Users can build 3D structures by placing blocks on a detected plane in real space.

## More about me

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### Right now I'm learning...

reactive design in TailwindCSS to build more responsive and efficient user interfaces. Vue JS as a frontend framework. I'm also learning to use Celery for asynchronous task queues.

### Outside of work I...

am constantly learning to improve my programming skills. I enjoy using data analytics to help charities and businesses. And, when I have time, I love creating immersive Dungeons and Dragons sessions.

### Interests

Bouldering, Video Games, VR/AR, Hiking, Dungeons and Dragons, Geocaching, Paddleboarding, Volunteering with Hedgehogs, Action for Happiness Group Co-Host