David Winch

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Current role	Non-Executive Director at Prickles and Paws Hedgehog Rescue and Co-Founder/Software Developer at Lux Co Creative
Experience	Fundraising, Analytics, Learning, Charity, Nature, Retail, B2B, eCommerce, Marketplace
Technologies	Python, Power BI, Pandas, SQL, 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, <u>Prickles and Paws Hedgehog Rescue</u> 🦔   Mar 2023 – Present (2m)

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

`Python` `Power BI` `Pandas`

- Successfully led the transition from paper and spreadsheet-based systems to Animal Shelter Manager, streamlining operations and improving efficiency.
- Utilised Python and Pandas for extensive data cleaning, resulting in accurate and reliable data analysis.
- Developing data analytics systems and generating comprehensive reports and dashboards to aid strategic decision-making.
- Explaining technical subjects to diverse audiences.

Co-Founder/Software Developer, <u>Lux Co Creative</u> *Lux*   Nov 2020 – Present (2y 6m)

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 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)

Marketplace · B2B · 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 synchronize 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 utilized 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
- Analyzed 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**
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**
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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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.

Right now I'm learning...

reactive design in TailwindCSS to build more responsive and efficient user interfaces. 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