

DAVID WINCH

SYSTEMS ANALYST & DEVELOPER

PROFILE

A committed and confident Python developer, looking to further my skill set as a permanent part of a team working on innovative projects. I am quick to pick up new technologies and systems to solve problems.

While I am technically natured, working and volunteering with non-developers requires me to be able to communicate concepts in a non-technical and efficient manner.

I have a passion for the automation of tasks, extracting meaning and decisions from large data sets, augmented/virtual reality and computer vision. In my spare time, I use my skills to improve the immersion of my friends' Dungeons and Dragons sessions.

CONTACT

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EDUCATION

BSc COMPUTER SCIENCE

First Class with Honours

Swansea University - Wales

2009 – 2012

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.

SKILLS

Python	Javascript
Pandas/Numpy	C#
Matplotlib	Unity 2D & 3D
Jupyter Lab/Notebooks	Version Control (Git)
Open CV and Pillow	SQL including ORMs
Django	Online Marketplace APIs
Flask	AWS/GCP
Fast API/SQL Model	Heroku/Vercel/Netlify
Scrapy	Bootstrap 5

EXPERIENCE

November 2020 – Present

Director & Developer

Luxyl.co Ltd/Lux Co Creative - Newquay

Responsible for technical aspects of the company with a focus on efficiency and aiding growth

- o Integrated with Amazon and Etsy APIs for the easy creation, maintaining, and updating of product pages and images
- o Automated processing of financial data, parsing and extracting data from PDF files and creating associated records in accounting software via Xero API
- o Integrated with the Royal Mail/Amazon Shipping and Parcel2Go APIs for the batch creation of shipping labels and uploading of tracking data – using Fast API and SQL Model
- o Created automated asset creation tools with Adobe Photoshop/Illustrator using Javascript
- o Automated product and seller review requests using AWS Lambda
- o Creating designs using vector graphic applications
- o Communicating with customers, providers, and suppliers

July 2012 – Present

Systems Analyst & Developer

Polgannel Solutions Ltd - Newquay

Responsible for the creation and maintenance of 2.6 million clothing SKUs across 12 sales platforms.

- o Wrote an image creation toolset used to create over 180,000 images (initially written in JavaScript for Adobe Photoshop, later remodelled in Python using Pillow and TKinter)
- o Automated entry of sales data for QuickBooks Online, using C# and T-SQL to obtain data; Python and Pandas to send to the QuickBooks API
- o Parsing of invoices using Python to extract data for entry into QuickBooks
- o Updating of stock item details and stock levels in bulk using C# and T-SQL
- o Wrote an automated stock ordering system using PHP and Slack API for notifications
- o Created a user-friendly data creation model in Excel via VBA
- o Integrated with Amazon, Shopify, Etsy, and eBay APIs to list products, update data, etc.
- o Use of pivot tables in Pandas to analyse sales data and make business plans
- o Daily order design processing via VBA, from Excel to CorelDRAW, saving five working hours per day