David Lyster

Full Stack Python Developer

Contact

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Skills

Python
Highly Proficient - 4/5 years

SQL/MySql/SQLServer
Highly Proficient - 3 years

Flask/Django
Highly Proficient - 3/4 years
multiple web-apps produced on both

MS Office (Excel in particular)
Highly Proficient - 5+ years

HTML/css
Proficient - 3/4 years

Unix/Linux
Proficient - 3/4 years

DB/Data Modelling
Proficient - 3/4 years

React/Flutter
New Skills - *Developing React front end as part time work for colleague*

JavaScript/TypeScript
Less Proficient - periodic use

Links

LinkedIn
https://www.linkedin.com/in/davidthomaslyster/

Git
https://github.com/davidlyster/

Having worked as the web-app lead for our team in HSBC over the past 3 years, I am now looking to move into a new role with the aim of working on some new and exciting projects

My work has primarily been shaped around web-app production and data analysis, both requiring extensive interaction with MySQL databases and I intend to continue in that vein, ideally working with data I personally find interesting and on projects that I find challenging

Work History

IT Consultant | Web App Lead
Jan 18 - Jan 21

HSBC, Edinburgh, Dublin, Remote

- Designed and developed multiple web-apps/scripts used within team to assist report making and ETL processes

- Adjustments tool was of particular importance. Used to inject correct data into data model where ETL process had failed, allowing crucial reports to continue production while ETL error was tackled
(Python, SQL, Linux, Flask, HTML/css)

- Primary user of this tool until training in multiple other users
(Excel, Data Analysis)

- Other tasks included integration of new web-apps into data model along with continued development on existing scripts/tables (SQL)

IT Consultant
Sep 17 - Jan 21

FDM Group, Glasgow

- Completed Business Intelligence training course

- Finished top in grades, placed with FDM's top client

- Produced end to end reporting system to assist sales team with evaluating their performance in placing FDM consultants

Education

BSc Computer Science
Sep 13 - Sep 17

UCD, Dublin

Final Year Project
Built web-app that would analyse data from physical sensors across Dublin City every 5 minutes to determine how busy the city was versus the previous year
*(Python, AWS, linux, HTML/css | Grade: **A**)*

Website: *davidlyster.net*

Started building to show off some coding skills to interviewers. I plan to periodically add more apps and functionality to the site as the ideas come to me. At the moment there are 3 main apps along with some personal details and an area to download and view this cv

Twitter
Search twitter for n most recent tweets for given term

Stocks
Track the movement of stocks on the Yahoo! Finance API. Display analysis on how trading on closing prices for given stock based on EMA analysis would have fared for past year
I plan to introduce more algorithms to this app

A* Search Visualisation Tool
PyGame built to display how the A* search tree algorithm progresses through its search graph to find the shortest path to the target end node. The downloadable .exe on the website allows a user to select a start node, end node and build walls to force the search around in a 50x50 graph/grid