

Toby Nelson

Analyst Developer

tobynelson.uk

Experience

BP

December 2014 - Present

Palantir Foundry

Working closely with the Commodity Risk community in the pursuit of capturing rogue traders by analysing and alerting on suspicious commodity and FX trading activity. Alerting and analysis built using integrated Contour, Python and Mesa pipelines.

MiFID II

Building out the existing Ethics & Compliance position limit monitoring capability to meet the regulatory implications of the Markets in Financial Instruments Directive II (MiFID II). Solution built in to a WPF application with RESTful API backend, handling complex aggregation logic across trading activity in European markets.

On-Prem to AWS Migration

Deployed and currently support applications running on a number of different AWS cloud infrastructure components. The move to AWS also included migrating an on-prem Oracle database to Microsoft SQL in the cloud.

ASP.NET to WPF Migration

In order to align with the strategic direction of technology in the organisation and to provide Ethics & Compliance with a long-term, scalable solution for position limit monitoring, I lead the migration of the legacy ASP.NET web application to a decoupled WPF application with RESTful API backend. As well as designing the UI and writing API code for much of the application, I worked with key stakeholders to ensure the migration was not disruptive to critical business activities and gathered additional requirements which could be rolled in with the agile delivery of the new solution.

Education

Apprenticeships

January 2015 - August 2017
City & Guilds

Higher Apprenticeship in IT, Software,
Web & Telecoms

Advanced Apprenticeship in IT, Software,
Web & Telecoms

A Levels

September 2012 - June 2014
Emanuel School, Wandsworth

Mathematics - A*
Further Mathematics - B
Physics - B
English Literature (AS) - A

Volunteering

Emanuel School Coding Society

Whilst at Emanuel School, I founded the Coding Society which succeeded in introducing younger pupils to the world of technology and coding by building their own websites and completing online courses in various languages such as Python and Ruby.

Teaching English & Music @ Sri Jayendra School, India

I spent a month teaching English Language and Music at the Sri Jayendara Golden Jubilee School in Tamil Nadu, India. The experience taught me a lot about the value of what is readily available to us in the UK and I aim to revisit and help them set up a technology centre for underprivileged students to get in to the world of technology in the near future.