

MATHEW WILKINS

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A highly skilled, solution-focussed developer with extensive experience designing, developing and project managing rich, user friendly applications and databases. Consistent and reliable with strong technical knowledge and a passion for learning and adapting to new technology, I use my full range of communication, leadership and technical skills to act as a link between technology and the business to deliver bespoke multi-faceted projects within deadline both when working alone and as part of a larger team.

SKILLS

Back End:

- Python
- Django /Flask (Personal projects)
- C#
- Model, View, Controller architecture pattern (MVC)
- Databases: SQL server, MS-SQL, MS Access database design, maintenance and optimizations
- Continuous integration (Team Foundation Server (TFS), GIT)
- Continuous Development
- Windows Communication Framework (WCF)
- Amazon Web Services

Front End:

- OOP, JavaScript, JQuery
- HTML5, CSS3
- MS Access VBA Report / database development
- MS Excel 2016 / 2010 application development
- MS Excel VBA (Macros, formulas, Pivot Tables, Arrays, User Interfaces)
- SQL Server Reporting Services (SSRS)
- SQL Server Integration Services (SSIS)
- Winforms
- LINQ

Other:

- Solutions Architect (Project / Business analysis, Task breakdown, Documentations, Time estimates)
- Project Management
- Agile & Scrum
- Business Objects
- InstallShield
- TDD
- .NET Framework
- AWS – Lambda, API Gateway, Cloudwatch, SQS, SMS, SES, S3, RDS

Software: Visual Studio

OS: Windows

Employment History

Oct 2020 – Present VBA DEVELOPER(Contract) Mitsubishi UFJ Financial Group
Working on multiple financial VBA Applications providing a range of financial services
Responsibilities include:

- Development on new Complex MS Access applications
- Designing and developing new functionality.
- Creation and maintenance of project / application documentation.
- Automating functionality
- Technical and user application documentation
- Development / design of database schema#
- Support and troubleshooting of multiple applications

Technologies Used – Microsoft Excel VBA, Microsoft Access VBA, SQL, SQL Server

Dec 2018 – Apr 2020 SQL/Python/AWS / .NET DEVELOPER (Contract)
WORLD FUEL SERVICES

Worked on multiple projects migrating application to AWS and developing a Python / SQL / AWS / VBA fuel pricing / customer emailing application for a fuel services company based in Staines-Upon-Thames. Responsibilities included:

- Migration of the application to AWS Cloud
- Redevelopment of WCF Service using .NET / Visual Studio
- Review and documentation of a fuel pricing process
- Designing and developing a new database application to replace a series of complex, interconnected spreadsheets
- Designing Automated Emailing AWS cloud processes using Python Lambda, SQS, Lambda, Cloudwatch, API Gateway and SQL database
- Python scripting for call to external API and consumption of data.
- Development / design of database schema
- Creation of development and product environment structure
- Technical and user application documentation
- Introduction of new 'user focused' functionality
- Automated email template design and styling (using HTML and CSS)

Technologies Used – Microsoft Access VBA, SQL, AWS, SQL Server, Python, Rest API, .NET, WCF HTML, CSS

Jun 2018 – Nov 2018 VBA DEVELOPER (Contract) WELLESLEY GROUP LTD
Working as an Excel / Access VBA developer for my own limited company contracting to a property development finance company based in central London. I was responsible for:

- Enhancing and stabilising an existing complex in house Microsoft Access VBA database containing financial data.
- Designing and developing new functionality.
- Creation and maintenance of project / application documentation.
- Introduction of automated scripting processes.
- Introduction of a streamlined and robust development process.
- Creation / enhancement of a robust / detailed development environment structure.
- Migration of function to SQL Server stored procedures.

Technologies Used – Microsoft Excel VBA, Microsoft Access VBA, SQL, SQL Server

Jan 2018 – May 2018 TRAVEL ABROAD

Travelling for 5 months in Europe, Asia and USA.

Nov 2016 – Dec 2017 .NET DEVELOPER (Permanent) CORDIS SOLUTIONS LTD

Working as a C# / .NET developer developing, enhancing and maintaining Microsoft Excel add-ins working with SAP data / workflows. I was responsible for:

- Solution architect and .NET developer on multi language financial documentation add-in C# Winforms / Excel add-in application build with .NET / Entity framework using WCF / OData.
- Developer working web-based application front end for the submission and approval of financial documents into an SAP back end system.
- Project lead for application deployment and integration of application into customer environment. Implementing Microsoft Excel Add-ins and Web application along with SAP configuration.
- Use of Agile framework for incremental software development

Technologies Used – C#, TFS, GIT, SAP IDE, SAP UI5, WCF, JSON, XML, Visual Studio, JavaScript, HTML5, CSS, Winforms, WPF, JSON, SharePoint

July 2014 – November 2016 VBA ANALYST (Contract) SAINSBURYS LTD

Working as an Excel / Access VBA developer for my own limited company contracting to Sainsbury's Supermarket Limited based in Coventry developing bespoke applications. I was responsible for:

- Lead designer / developer for bespoke MS Access application for the automation of ethical information for worldwide sites.
- Design and development of in-house MS Access replenishment tool with historical reporting and user-friendly front end (MS Access) and integration of data from external sources (SAS scripting).
- Development of advanced MS Excel (dynamic report generation, pivot tables, formulas, arrays) reporting for business ranging tool.
- Development of advanced MS Excel applications for end users to control risk and buying strategies for business, both as developer and in a business facing capacity.
- Automation of reporting process (SQL, MS Access, MS Excel) for company level sales.

Technologies Used – MS Excel VBA, MS Access VBA, VBA, SQL, SSIS, SAS, SQL Server (2012)

**Sept 2011 – June 2014 STATISTICAL ANALYST UNITED NATIONS CLIMATE
CHANGE SECRETARIAT (UNFCCC)**

Working in the Quality and Project Management section of the Climate Change division of the United Nations (based in Bonn, Germany). Notable projects include:

- Development of statistical SQL / MS Access database for climate change data used in organisation annual publication.
- Design and development of SharePoint application for enterprise level time tracking application

Technologies Used – VBA, SQL, SQL Server, T-SQL, SharePoint

Nov 2005 – Sept 2011 NATIONAL IT VBA ANALYST (Permanent) ALDI STORES LTD

Designing, developing and supporting in-house applications for a major Worldwide Supermarket Chain. Notable projects include:

- Lead developer in designing and developing bespoke application for automating price comparison and forecasting applications utilising SQL database and user-friendly MS access / MS Excel front end.

- Design of data quality standards and validation via automated processes (T-SQL).
- Creation of SQL stored procedures and functions for automating processes.
- Development of standardised enterprise level reporting (MS Access / MS Excel / SSRS).

Technologies Used – SQL, VBA, T SQL, SSRS

Qualifications

MSc. Software Development at Open University (2016)

BSc. In Computing at Coventry University (2005)

Other Courses

Amazon AWS Solutions Architect Associate certificate (September 2018)

Amazon AWS Developer Associate certificate (currently in progress)

Python application on-line course - Udemy (currently in progress)