

Well House  
2 The Glade  
Bucks Horn Oak  
Farnham  
GU10 4LU

Tel Home 01420 520885  
Tel Mobile 07766 250654

Email [amorrell@dyndesk.co.uk](mailto:amorrell@dyndesk.co.uk)  
[amorrell.tsprojects@gmail.com](mailto:amorrell.tsprojects@gmail.com)

**Interests**

Running  
Bass Guitar  
Skiing – Qualified To CSIA Level 1  
Mountain Biking  
Walking

Web Site [www.dyndesk.co.uk](http://www.dyndesk.co.uk)  
Driving Full UK Drivers Licence  
Car Owner Yes

**Motivations**

Whilst having a keen interest in all aspects of IT my motivations have always been to apply the appropriate technology to meet a business requirement in the most cost effective manner.

Understanding the business I am working with at a high level is key so I can fully appreciate the bigger picture and introduce the most effective and appropriate solutions.

Having held senior technical posts as well as management / team leader roles I am competent and flexible to the needs of each team structure and can adapt to the needs of each project.

I've always had a strong work ethic and believe that hard work usually brings its own rewards.

**Security Clearances**

BPSS – Checked – Feb 2021 / Aug 2023

DBS – Checked – Feb 2021

SC Clearance – May 2021, (expires 10<sup>th</sup> May 2026) last used February 2024

**References**

I have very strong references regarding my professional capabilities which will be supplied on request.

## Skills Summary

| Tool / Methodology  | Experience | Commercial Experience  | Experience Gained |
|---|------------|--|-------------------|
| <b>Hosting</b>  |            |  |                   |
| Azure Admin / CI / CD                                       | 1 year     | Vet Connection   | From 2021         |
| Azure SQL   | 2 years    | Vet Connection / Busy Buddy  | From 2020         |
| Azure Dev Ops   | 4+ years   | Vet Connection / Busy Buddy / Babcock  | From 2018         |
| IIS 6 / 7 / 7.5   | 10+ years  | Busy Buddy / Sonardyne / IPO / KPMG / CMU / Hicom  | From 2003         |
| <b>Front End</b>  |            |  |                   |
| HTML / CSS / AJAX<br>VBScript / JavaScript / JQuery         | 10+ years  | IPO / KPMG / CMU / Petrofac / FatFace / OCS / OmPrompt / C&A Service Solutions / College of Law                        | From 2000         |
| ASP.Net / MVVM / MVC  | 10+ years  | Vet Connection / Schuh / IPO / KPMG / Hicom Technology / Petrofac Ltd / FatFace  | From 2006         |
| JQuery  | 8 years    | Babcock / Sonardyne / IPO / Busy Buddy   | From 2014         |
| Telerik / Kendo   | 2 years    | BAM / DEFRA  | From 2022         |
| Vue.js / Typescript / Signal R                              | 15 months  | Vet Connection / Schuh   | From 2021         |
| WPF   | 10 months  | Sonardyne  | From 2019         |
| MS Windows Forms  | 10+ years  | KPMG / Andrew Heard / Petrofac / DEFRA   | From 2007         |
| Excel VBA / Access VBA<br>Word VBA                          | 10+ years  | Brochet / Andrew Heard / Petrofac / C&A Service Solutions / Norwich Union Investment Management                        | From 2001         |
| MS Visual Studio Tools for Office                           | 18 months  | KPMG   | From 2012         |
| <b>Back End Server</b>                                      |            |  |                   |
| C#.Net / VB.Net   | 10+ years  | Vet Connection / Schuh / IPO / KPMG / Hicom Technology / Petrofac Ltd / FatFace  | From 2006         |
| WCF Web Services  | 6 years    | KPMG / Hicom Technology / Petrofac   | From 2007         |
| .Net Versions 1.1 / 2.0 / 3.5 / 4.0 / 4.5 / 4.6 / 4.7 / 4.8 | 10+ years  | Civica / KPMG / Hicom Technology / Petrofac / FatFace / OCS / C&A Service Solutions                                    | From 2006         |
| .Net Core   | 2 years    | Vet Connection / Schuh   | From 2021         |
| Entity Framework / LINQ                                     | 7 years    | Vet Connection / IPO / KPMG / CMU / Hicom Technology   | From 2009         |
| Restful API   | 5 years    | Vet Connection / Sonardyne / IPO   | From 2019         |
| SOLID / OO / N Tier Architecture                            | 10+ years  | IPO / KPMG / Petrofac / FatFace / OCS  | From 2006         |
| WebAPI / JSON / XML   | 7 years    | Vet Connection / Schuh / Sonardyne / Babcock / IPO   | From 2014         |
| WebAPI 2  | 2 years    | Vet Connection / Schuh / Sonardyne   | From 2019         |
| <b>Database</b>   |            |  |                   |
| SQL Server 7 up to 2019                                     | 10+ years  | Civica / Vet Connection / Schuh / IPO / KPMG / Andrew Heard / Hicom / Petrofac / FatFace / OCS / C&A Service Solutions | From 2003         |
| T-SQL / Stored Procedures / Functions / Triggers            | 10+ years  | IPO / KPMG / CMU / Petrofac Ltd / FatFace / OCS / C&A Service Solutions  | From 2003         |
| <b>Development Tools</b>                                    |            |  |                   |
| SOAP UI / Postman   | 3 years    | Vet Connection / Sonardyne / Direct Ferries  | From 2019         |
| JIRA / Confluence   | 2 years    | Schuh / Direct Ferries   | From 2019         |
| Visual Studio 2003 / 2005 / 2008 / 2010 / 2013 / 2019       | 10+ years  | KPMG / Hicom Technology / Petrofac / FatFace / OCS / C&A Service Solutions   | From 2003         |
| DevExpress / Telerik Third Party<br>RAD Controls            | 6 years    | KPMG / Hicom   | From 2007         |
| <b>Reporting Tools</b>                                      |            |  |                   |
| Power BI  | 3 months   | Vet Connection   | From 2022         |
| Crystal Reports   | 10+ years  | Andrew Heard / Busy Buddy  | From 2006         |
| SQL Server Reporting Services                               | 3 years    | CMU / Hicom Technology   | From 2009         |
| <b>3rd Party Integrations</b>                               |            |  |                   |
| MS CRM / MS Project /<br>Salesforce / HubSpot               | 6 months   | Sonardyne  | From 2019         |
| SharePoint 2007   | 2 years    | KPMG / CMU   | From 2011         |
| <b>Source Control / Testing</b>                             |            |  |                   |
| GitHub / GitLab / Azure DevOps                              | 4 years    | Vet Connection / Schuh / Direct Ferries  | From 2019         |
| NUnit / TDD   | 4 years    | Schuh / Direct Ferries   | From 2018         |
| TFS / VSS / Visual SVN                                      | 5 years    | IPO / KPMG / Hicom Technology / Petrofac   | From 2006         |

## Career History

*Technical Architect / Senior Systems Engineer*  
*Wealthtime*

*Project: Oct 2024 – Mar 2025*  
<https://www.wealthtime.com/>

**Skills** C#.Net, .Net Framework, .Net Remoting, Visual Studio 2022, HTML, Javascript

**Project Brief – Data Transformation and system enhancements to support Wealthtime as they transition to GBST.**

- Large data transformation ETLR as company transition from bespoke applications into GBST fund management software.
  - Schema design
  - Data Mapping
  - Data Cleansing
  - Data Exception reporting and management
- Implement FCA required changes according to new regulations.
- Add support for ESG fund information for IFAs
- Build new fund search features for IFAs
- Build processes and windows app changes required for Pensions Dashboard integration.

*Technical Architect / Senior Systems Engineer*  
*BAM Nuttall (UK & Ireland)*

*Project: Aug 2023 – Oct 2024*  
<https://www.bamnuttall.co.uk/>

**Skills** Blazor Server, C#.Net, .Net Framework, .Net Core 2.2 / 3.0, eMagiz, Visual Studio 2022, Telerik Kendo, HTML, Javascript, Power Platform, Power BI

**Project Brief – Develop new Hi and Lo code solutions. Implement Dev Ops repositories and influence the team into more agile processes. Mentor junior developers and introduce improvements to the development process.**

- Evaluate and recommend platforms, development languages and tooling for new projects
- Built new application framework for handling Business Change Requests application
- Resolve issues with development processes preventing development progress
- Implement Dev Ops automated CI / CD to add better controls to the deployment process
- Building Power Applications (Model / Canvass Apps)
- Resolve longstanding technical bugs and add new features to the core product suite – BAM Core
- Mentoring existing team with regard to new technologies and also assigning work to a junior developer

*Technical Architect / Lead Senior Systems Engineer*  
*DEFRA*

*Project: Nov 2023 – March 2024*

**Skills** C#.Net, .Net Framework, Visual Studio 2022, HTML, Javascript, Telerik Kendo, SC Clearance Utilised

**Project Brief – Lead small team of developers providing technical guidance for producers packaging declarations project**

- Building user journey with email flows for registering agents and producers into the system
- Receiving and processing Excel file uploads for analysis and billing.

*Technical Architect / Senior Systems Engineer*  
*Civica*

*Project: Dec 2022 – March 2023*  
<https://www.civica.com/en-gb/>

**Skills** VB.Net, .Net Framework, CSLA.Net, Visual Studio 2019, SSRS, HTML, Javascript, Telerik Kendo, SC Clearance Utilised

**Project Brief – Design and implement a number of system enhancements for UK Government departments**

- DEFRA / Animal & Plant Health Systems enhancements
- Fixing technical infrastructure required for a development platform to support the production environment

**Skills** .Net Core 3.1, Vue, Visual Studio 2019, Studio Code, Azure SQL, Azure Web Applications, Azure Dev Ops, C#.Net 8, Dependency Injection, Jira

**Project Brief – Build Vet Nurse Call / Case Handling System**

- Pet triage / case management with pet owners
- Automated telephone call routing for inbound call assignment to nurses
- Prioritising and allocating scheduled call backs for missed calls as well as marketing follow-ups
- X-On telephone integration through API calls and inbound API call handling
- Dashboard statistics of current calls with logged on user status management

**Technical Architecture Changes**

- Designed and added new data structures for logging inbound / outbound calls to allow for fault analysis of existing system and from that implemented new workflows to allow call handling to work more efficiently with nurse availability.
- Installed SOAP-UI templates to allow inbound / outbound API calls between host system and X-On call handler to be simulated for fault diagnosis.
- Scaffolding added for Entity Framework to operate in .Net Core 3.0
- New controllers added to support additional features required of the system
- Power BI data maps dashboards added for management analysis and resource / cost control

**Skills** .Net Core 3.1, Vue, Visual Studio 2019, Studio Code, C#.Net 8, Dependency Injection, Jira

**Project Brief – Complete Build / Bug Fix for EPOS System (Schuh Pay)**

- Managing software for up to 500 till systems across 130 stores
- Schuh Loyalty club card introduced October 2021
- Adding multi-currency payments for stores on UK / EU border
- Implemented new credit card payment provider (PCI DSS compliant) for critical March 2022 deadline
- Fixing long standing bugs / issues

**Technical Architecture Changes**

- Removed some API aliasing between the VUE front end and server backend to improve long term maintainability. Also improved efficiency of VUE front end code
- Implemented an XML test harness so that payment providers messages could be fault diagnosed outside of payment processing workflow which resolved message problems and also helped identify timing issues with the payment provider.
- Designed a fault log reporting system for tills to report back diagnostic details when previous faults were going unreported by store staff and till operators.
- Implemented JIRA for storing issues and tracking frequency across all stores / tills.

**Skills** Visual Studio 2019, Azure Dev Ops, C#.Net 8, Console Based Server, Mediator, Dependency Injection, TDD

**Project Brief – Classified work on behalf of UK MOD**

- Distributed architecture application (console based C# application)
- Utilising internal messaging between modules using mediator pattern
- Discrete modules constructed taking advantage of Dependency Injection for plug in architecture
- TDD Unit framework testing implementing a moq framework

**Skills** Visual Studio 2017 / 2019, Azure Dev Ops, Azure SQL, C#.Net 4.6, TypeScript, HTML5, CSS, JavaScript, JQuery, Crystal Reports, AJAX Responsive Design

**Project Brief – Build a business management tool for small businesses**

- Analyse customer requirements for requirements documentation
- Produce high level functional documents and story boards to illustrate understanding of the business
- Diary Management
- Invoice Production
- CRM Emailing
- Stock Control
- Team Management

**Skills** Visual Studio 2019 Pro, Windows Forms, Web Forms, Threading, C#.Net, Classic ASP, VB.Net, HTML5, CSS, JavaScript, JQuery, Restful API, WEB API2, SOAP UI, MS Dynamics CRM, JSON, Salesforce, HubSpot

**Project Brief – Produce a number of solutions currently in the backlog of works**

- Requirements Analysis for a number of products currently in the product backlog.
- Technical Design documents for review by technical team members.
- Sophos Firewall XG rules update tool
- MS Dynamics CRM data deduplication
- Data Amalgamation with visual aids (timesheets) MS Dynamics, Sophos and XCD HR System
- Intranet based labelling systems rewrite making it more robust and fault tolerant across the entire business.
- Intranet Systems Rewrite.

**Technical Architecture Changes**

- Designed, architected and built a fault tolerant transaction based data synchronisation tool for copying / merging data across various systems in the company including Syspro, PM Online, MS Dynamics, Sales Force and HubSpot.
- Implemented a WPF fault tolerant labelling tool for PCs with label tracking capabilities in the browser for picking up lost / misprinted labels from a browser based queue.

**Skills** JIRA, BitBucket, Postman, Git, Visual Studio 2017 Pro, .Net Core, Micro Services, Threading, C#.Net, VB.Net, HTML5, CSS, JavaScript, JQuery, XML, SOAP, Rest, Agile / 2 Week Sprints

**Project Brief – Maintain Existing / Implement New APIs**

- Manage work items in JIRA to prioritise tasks for 2 weekly sprints
- Produce technical design documents for new features
- Technical test plans
- Add new features and new APIs for new operators
- Debug / Fix Issues in current legacy system
- Implement ferry operator changes to operational code

**Skills** VB.Net 4.6, VSTO, VBA, IManage Integration Visual Studio 2017, Azure Dev Ops

**Project Brief – VBA to IManage Integration**

Brochet produce template solutions for businesses allowing corporate clients to rationalise marketing, promotional and legal documents into consistent material. Some of their clients are now moving to IManage 10 which is cloud based and the interfacing to IManage must all now be via VSTO plug in solutions distributed as side loaded plugins from the IManage server. Brochet needed some guidance in making their VBA systems communicate with IManage. I successfully implemented event listeners into a new class library which would become an IManage / MS Office Word VSTO plugin. This allowed IManage event listeners to update the Word documents and also communicate directly with VBA code allowing Brochet templates to respond to IManage events.

*C#.Net Architect / Solutions Consultant*  
*Intellectual Property Online*

*Contract: January 2014 – September 2018*  
[www.webtms.com](http://www.webtms.com)

**Skills** VB.Net 4.0, C# 6.0, MS Ajax Controls, Ajax Web Services, ASP.Net Web Forms, Visual Studio 2010 / 2013 / 2017, Team Foundation Server / VSTS, Entity Framework 4, LINQ, ADO.Net, SQL Server 2008 - 2012, JQuery

**Project Brief – Classic ASP Systems Rewrite**

This client is probably the market leading solution provider of specialist software systems / services in the Intellectual Property sector. Their software was written many years ago using classic ASP and has been extended / built upon numerous times. A strong and loyal customer base exists but with the advent of more modern looking systems becoming available it's no longer enough to have just an application without it being easy to use and flexible to add in more modules in future.

*C#.Net Senior Applications Developer*  
*KPMG – Business Restructuring / Insolvency Practice*

*Contract: April 2012 – November 2013*  
[www.kpmg.co.uk](http://www.kpmg.co.uk)

**Skills** C# / VB.Net 4.0, XML, ASP.Net Web Forms, Windows Forms, Visual Studio 2010, SharePoint 2007, Entity Framework 4, ADO.Net, SQL Server 2008, VSTO

- **DPS – Document Production System – Document Designer VSTO Add In**
- **DPS – Document Production System – Document Editor VSTO Add In**
- **DPS – Document Production System – Generator**
- **Diagnostic Logging / Monitoring**

*C#.Net Senior Applications Developer*  
*CMU (Commercial Medicines Unit) – Department of Health*

*Contract: November 2011 – March 2012*

**Skills** C#.Net 3.5, ASP.Net Web Forms, Visual Studio 2008, SharePoint 2007, Entity Framework 3  
ADO.Net, SQL Server 2008

Details For Earlier Positions Available On Request