Lionel Slade *BSc MSc IEng MBCS CITP*

Personal Summary

I have specialised in solution architecture, translating strategic intent into actionable outcomes. Over the past 20 years, I have a proven record of accomplishment, successfully managing stakeholder expectations and delivering enterprise IT solutions for both web-based and desktop software applications. My skills include team management, bid management, product development, software consultancy and hands-on technical expertise. In the past, I have focused my career on process transformation. I have vertical experience having worked in the following industries: Oil & Gas (>5y), Finance, Local Government & Central Government (>10y), Defence, Environmental, CRM and Retail.

My current focus is enabling and building high performance agile teams to better understand and implement cloud technologies. My objective is to transform organisations towards better optimisation of cloud solutions and encourage development teams to adopt a cloud first approach using DevOps & Test Driven Development.

Core Competencies

- General business acumen from being an independent consultant for in excess of 12 years which includes: business plan writing, road mapping, high level design, ROI investigation, tendering, project planning, managing contracts, grant applications, dealing with IPR issues and budgeting.

- Over 20 year's technical experience developing applications for the Microsoft platform with a concentration on utilising the Cloud and the ArcGIS suite of products.

- Ability to identify and deal with a client's needs and priorities by translating them into appropriate technical solutions.

- Experienced in building multi-disciplined teams, motivation, guidance, mentoring and providing up to date consultancy service to both clients and colleagues

- A multi-skilled solutions architect with good all-round ability to manage multiple projects and meet deadlines whilst at the same time comprehending complex and interdependent business processes.

- Product Owner workshops, business requirements gathering and building prototypes for clients to understand the proposed solution. Business Sales Presentations.

- Managing teams up to 18 resources.

- Understanding of the issues involved to create a new product identity, how to turn a concept into a marketable product and then take it to market.

Info and contact details

Availability: **Currently available**

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Facebook profile: facebook.com/lionel.slade/

Twitter profile: twitter.com/lionel_slade

Achievements & Certifications

- Certified Information Technology Professional (CITP), British Computer Society
- Incorporated Engineer (IEng), British Engineering Council
- [MIT Artificial Intelligence: Implications for Business Strategy Executive Course](#)
- Certified Microsoft System Expert (MCSE), Cloud Architect, Firebrand, Mar 2018
  - 70-533 Implementing Microsoft Azure Infrastructure Solutions
  - 70-535 Architecting Microsoft Azure Solutions
  - 70-532 Developing Microsoft Azure Solutions
- AWS Certified Solutions Architect – Associate, online Pluralsight, Elias Khnaser, Sept 2017
- Product Owner Certification, The Knowledge Academy, Nov, 2017
- Scrum Master Certification, The Knowledge Academy, Dec, 2017
- Prince2 Practitioner & Foundation, University of Glamorgan Commercial Services, 2004
- Black Belt Six Sigma, The Knowledge Academy, online (In-Progress), Dec 2017
- TypeScript, Angular 2, Bundle Course, Grunt, online, Pluralsight, Aug 2017
- Many ESRI ArcGIS-server and desktop technical courses 1999-2014

Tools and Technologies

Visual Studio Enterprise, C#	> 20 years
Micro services, Net Core 2 Angular (1,2,4,5+), Typescript, OData, .	> 10 years
ALM: Azure DevOps, GitHub, Team Foundation System (TFS),	> 15years
Azure Cloud	> 10 years
Azure SQL / SQL Server from 2000	> 6 years / > 20 years
Service Orientated Architecture (SOA)	> 10 years
Application Interface (API) Architecture	> 10years
VB.Net, AJAX, WCF, ASP.net, VB6	> 25 years
ESRI Java Script API / Dojo	> 10 years
ESRI Product Suite to v10.5 (ArcGIS Server, ArcSDE (Oracle/SQL), ArcGIS Desktop, ArcObjects, ArcAvenue)	> 25 years

Educational Qualifications

- PhD. Computer Science (FT/PT), Incomplete, University of Glamorgan, (2005)
- MSc Geographic Information Systems (PT), Pass, University of Glamorgan (2003)
- BSc Civil Engineering (PT), Pass, University of Glamorgan (1999)
- HND Building and Civil Engineering, Pass University of Glamorgan (1993)
- OND Building and Civil Engineering, Pass, Rhydyfelin Technical college (1991)

Recent Project Experience (2011 – Present)

Company	**HCL Technologies** [Permanent]
Project	Various
Role	Senior Technical Architect
Duration	Dec 2018 – Mar-2023
Domain	Various
Technology	Azure, AWS, C#, .Net,
Project Description	**LeasePlan UX Refresh (Barclays, All clients)**, Slough, UK, Car Financing, MVC .Net, User interface redesign and tech refresh ASP > MVC. I was asked to oversee and manage the team for the final stages of the project and deliver it to the production environment. During this project I produced some prototype coding for Umbraco CMS and Imagin Studio integration and Insurance integration. Setup GitLab DevOps environment. Code reviews. Team Size: 8 resources **ADIB Cloud Transformation**, Abu-Dhabi, UAE, Banking, Azure and AWS Developed a strategy and adoption plan and built a team to move 5,500 servers from legacy architecture system to a cloud. Working with over 60 stakeholders I put together a plan for the long-term adoption of cloud. Team Size: 12 resources **Cloud Cost Optimisation**, UK&US, Advertising (Kantar), Azure and AWS Identified over $1m (25%) worth of potential savings in the Insights programme domain. Opportunities were across both Azure & AWS architectures. Working alongside roughly 80 stakeholders I implemented a programme of work to execute change within the organisation. Team Size: 0 resources **Legacy Translation Team (DHL)**, Leeds, UK Logistics, C#, Azure, .Net Developed a strategy for upskilling an existing team. Put together a plan for translating 10 applications from Unisys > Azure Cloud. Team Size: 8 resources **Cloud Adoption Team**, Stockholm, Sweden Fashion, C#, Azure, .Net As part of the Cloud Adoption Team my role was to advise teams, assess the stakeholder's current solution and advise on the activities to transition to Azure native cloud. This involved workshopping with stakeholders and knowledge transfer to the development teams. Team Size: 3 resources

Company	**W2 Global** [Contract]
Project	Early Warning System
Role	Developer Team Size (0)
Duration	Nov 2018 – Dec 2018 (1-month)
Domain	Identity Validation

Technology	C#, Azure Web Jobs
Project Description	Developed a Web Job for production of daily and monthly statistics for W2 clients. The statistics would give the end client a degree of knowledge about the system performance and provide confidence that there has been little change over the period of time. Product was rolled out to Production within 4-weeks of starting the consultancy.

Company	**Virtusa Polaris** [Permanent]
Project	Various Projects, Moorgate, London
Role	In-country Solution Architect Team Size (0)
Duration	Jan 2018 – Sept 2018 (9-months)
Domain	Telecoms, Banking
Technology	Azure Business2Consumer, Azure API Management, Cosmos Document DB, Azure Data Migration, Application Insights, C#, DotNetCore2, Entity Framework 6, SQL 2014, MVC, Angular, Typescript, JavaScript, Redis Cache, Swagger, fontAwesome, PowerBI, Angular 1.4, Liferay DXF, SQL 2016, Team Foundation Server
Project Description	**BIAN** - Working for X-Labs an internal Virtusa team that uses the latest technology for sales presentation and showing proof of concepts as working prototypes. Converting AWS API to Azure API. 6-weeks consultancy, translating AWS lambda API to Azure C# API. In preparation for a presentation at the 2018 F10 hackathon in Singapore, the APIs were required as part of the presentation. **NMTS** - Colt Technology has issues with the performance of the Number Telephone Management System (NMTS). I was brought-in to evaluate and assess the current system and make recommendations of how to improve the performance and reliability of the system. The system had been designed over 15 years ago as a monolithic SOA. I put together a presales proposal that would migrate the current VB.net/SQL application into a server-less Azure web application using a Cosmos DB backend. The team will grow to 30 people at peak resource.

Company	**Netalogue Payment Platform** [Contract]
Role	Solution Architect - Lead Developer Team Size (0)
Duration	July 2017 – September 2017 (3-months)
Domain	Business to Business Payments – Port Talbot
Technology	Visual Studio 2017, CQRS architecture, microservices, Vb.Net, Typescript, Angular 2, SQL 2016, TDD, Entity Framework, MVC

Project Description	E-commerce Business 2 Business platform. Platform migration from current ASPx platform to Angular 2 platform.

Company	**Lancaster City Council** [Contract]
Project	Green Waste Subscription System
Role	Solution Architect - Lead Developer Team Size (1)
Duration	Oct 2016 – July 2017 (9-months)
Domain	Local Government
Technology	Agile Project Management, Team Foundation Server (ALM), Azure Cloud Computing, Azure SQL, Visual Studio 2017, .Net 4, MVC, WCF, Xamarin, Angular2, HTML5, Unity, Entity Framework, TDD, SQL Server 2016, ESRI On-line, ESRI Java API, Python
Project Description	Requirements capture, prototype development. Designed and built a tool that captured subscription details for citizens who want to subscribe to the councils Green Waste Collection System. Integrated with Capita Payment response for reconciliation. MVC Payment Management system. Route Optimisation using ArcGIS Plugin, GIS front-end (Android) for In-cab. Road mapping product development. Kanban PM, team mentoring and implementation of TFS. Rolled-out ESRI Portal 10.5.

Company	**Wood** (formerly. Wood Group, J P Kenny) [Contract]
Project	Various Projects, (Nexus GIS, IMap &DocPro) – Wood Group Kenny (now Wood previously JP Kenny)
Role	Solution Architect / Project Owner / Scrum Master Team Size (18)
Duration	May 2011 – July 2016 (5 years)
Domain	Oil, Gas and Utilities – Staines
Technology	Team Foundation System ALM, Visual Studio Ultimate 2015, Microsoft Test Manager, SCOM, ESRI Suite of products, C#, Micro-services

Project Description	**General:** During my time, here I was responsible for the shift any from waterfall implementation and the adoption of Agile processes using Team Foundation Server. I have setup a full Hyper V TFS development environment. I recruited and project managed the team from 2 to over 10 (at peak) software professionals and 8 GIS Analysts. **Nexus Web Geographic Information System:** PODS, is as acronym for Pipeline Open Database System, it is the industry standard database model for gas and oil pipeline design and construction. The PODS model schema has over 700 tables for data capture. For this project, my team & I have designed and implemented a full suite of data management tools and ETL software. A Web Portal presents data to the end user. The product uses an extensible modular pattern following the Service Orientated Architecture (SOA) pattern. The product is easily configurable and quick to set-up for new projects as they come on-stream. The project was broken down into the following separation of concerns for the client: - Vessel (or vehicle) tracking - Valve Management and property tracking - Construction Item searching - Construction Progress - ETL Management (ArcObjects Application) - Offline Management (ESRI Add-in) - Alignment sheet outputting (ESRI Add-in) - Schematic Data viewing - Online sketch drawing - 3d ROV tracking Online link: https://sd2-pods-gis.woodgroup.com/NexusGIS/v2.3/Main/Portal/SD2/ **Doc Pro:** The business has developed a Document Manager suite of products. The system keeps track of issued document revisions within the project. This project aimed to upgrade an existing application from VB5 technology to C# WPF & HMTL5. The project also reviewed existing processes and procedures and made many process improvements. **Nexus IMap**: IMap provides an interactive map that shows how business processes through the organisation are linked. A Tube map identifies the main areas of project setups; these are then followed by schedules of input and out maps.

Other Project Experience (1996 – 2011)

Contract Roles

Job Description	Project	For	Start	End	Location
Solution Architect / TFS MVP Team Size (0)	**Oxygenic**	Microsoft - Defence (MOD)- Swindon	April 2016	May 2016	Swindon
Solution Architect Team Size (4)	**TPS2 (Towah Payment System)**	Towah Banking	Nov 2010	April 2011	Tonsberg, Sweden
Solution Architect Team Size (0)	**IIAPTS (Imports Invoice and Payment Tracking System)**	Peacocks	Jun 2010	Oct 2011	Cardiff
Lead Developer Team Size (0)	**DRCA (Defence Register Certificate Authority)**	Cadminium	April 2010	May 2011	Gloucester
Solution Architect and Developer Team Size (1)	**EA Water Resources GIS (WRGIS)**	Environment Agency	Sept 2009	Mar 2010	Warrington
Lead Developer Team Size (2)	**Airwave GIS**	Logica	Feb 2009	Aug 2009	Rugby
Technical Lead and Solution Architect Team Size (0)	**EA Marine and Resourcing System (MaRS)**	Crown Estate	Dec 2008	Feb 2009	London
Solution Architect Team Size (3)	**Environment Agency - Long Term Investment Strategy (LTIS)**	Halcrow	July 2007	Dec 2008	Swindon
Technical Lead and Solution Architect Team Size (3)	**National Coastal Erosion Risk Mapping (NCERM)**	Halcrow	May 2007	Dec 2008	Swindon
GIS Consultant Team Size (0)	**East Devon Spatial Searcher**	East Devon District Council	Feb 2007	Mar 2007	Sidmouth
Solution Architect Team Size (1)	**High Accuracy Weather Prediction Interface (HAWPI)**	Geo-Bureau	June 2005	Jun2007	Pontypridd
Business Consultant Team Size (0)	**Various**	University of Glamorgan	June 2005	Jun 2009	Pontypridd
IT Consultant Team Size (12)	**Various**	Geo-Bureau	Sept 2005	Sept 2006	Pontypridd
Solution Architect, Project Manager and Developer Team Size (0)	**Crime and Disorder Information System (CANDDIS)**	Safer Neath Port Talbot	Jun 2003	Sept 2004	Port Talbot
Solution Architect, Project Manager and Developer Team Size (0)	**Domestic Abuse Referral Information System (DARIS)**	Neath Port Talbot Communities First	Aug 2003	Jan 2004	Port Talbot

Perm Roles

GIS Developer	**GIS Data-Viewer**	Neath Port Talbot County Borough Council (NPTCBC)	Aug 1999	Aug 2003	Penllergaer
GIS Developer	**Vehicle Tracking and Management Information System (VECTIS), Various other projects**	Neath Port Talbot County Borough Council (NPTCBC)	Jul 1996	Aug 1999	Penllergaer

Prior to 1996 I worked as GIS Analyst, Surveyor and Laboratory technician for NPTCBC from 1994.