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| Andy Howarth | |
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# Professional profile

I am an experienced Enterprise Architect who combines technical skills with commercial awareness. I discover real business requirements and create innovative strategies to meet them. I then help deliver with great team leading and people management skills together with excellent stakeholder management.

I have experience across a diverse range of sectors and organisations, working with all levels of the business to achieve measurable results.

# Key skills

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| * Excellent Presentation and Communication skills, with experience of presenting at up to board level, large scale audiences and press briefings. * Experience of application rationalisation, consolidation and migration up to and including the digital transformation of IT systems for an entire business. * Experience of working in secure and highly regulated environments. * TOGAF Certification and good knowledge of ITIL * Familiar with Agile and Waterfall Project Management | * Excellent commercial awareness and experience of financial planning including TCO and ROI modelling. * Experience of designing and delivering IT Services including SLAs and KPIs * Excellent people management skills including leading teams spread across multiple countries. * Experience of both delivering and procuring outsourcing and other third-party services. * In-depth experience of Cloud Services (IaaS, PaaS & SaaS) including migrating from legacy systems to cloud services. |

# Career summary

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| SSE | April 2019 – PRESENT |
| Enterprise Architect | |

Short-term contact at SSE working on their Cloud Enablement programme. I am developing the application assessment and migration strategy to move locally hosted applications to IaaS, PaaS and/or SaaS. I am also theEnterprise Architect for SSE’s Enterprise line of business working on several initiatives including Smart Cities and IoT.

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| Aquila ATMS, Whiteley, Hampshire | December 2016 – APRIL 2019 |
| Enterprise Architect | |

### Outline

Enterprise Architect for Aquila Business Systems. Reporting to the Aquila Executive Team, Responsible for the Enterprise Architecture, Strategy, Governance and Compliance of all IT in Aquila ATMS.

### Key responsibilities

* Definition of IT Strategy, Policies, Roadmaps and Blueprints
* Definition of IT Service Levels and services to support them
* Engaging with the wider business at all levels to ensure IT provided measurable business benefits
* Ensuring that Aquila Business Systems were accredited by the MOD
* Ensuring that Aquila Business Systems met all contractual and legal requirements.
* Ensuring that all new projects integrated successfully into the existing Business Systems.
* Oversight of third-party vendors to ensure Aquila’s requirements are met.

### Key achievement/projects

I joined Aquila as the Enterprise Architect but initially had to work to ensure the internal IT systems were stable and secure. This included the complete transformation of the End User Computing environment to a stable standardised environment and the design and deployment of new infrastructure to provide a highly available service with failover to a second site. Once the initial changes were made, I started on building the complete Architecture for Aquila.

Aquila had grown without any IT Strategy, policies or documentation. Aquila ATMS was set up to deliver the Marshall Project (Air Traffic Management Services) to the MOD. The delivery stage runs until 2022 and then Aquila will downsize to provide maintenance services through the remainder of the contract c.2040. I have written the blueprint for Aquila Business Systems that covers the lifetime of the contract including a future move to Cloud-only services and BYOD.

My other deliverables included the Enterprise Architecture Framework, Systems Architecture, Information Security Strategy and Policy, Acceptable Use Policy, and both User and Admin Security Operating Procedures. I wrote the Identity and Access Management Policies as well as the Mobile Working Strategy and Policies. These were made more complicated by having to enable secure access for third parties including the MOD. All of this resulted in Aquila achieving Cyber Essentials Plus accreditation and working in line with ISO27001.

Aquila’s IT systems are primarily in Microsoft Office365 with a hybrid identity model between on-site Active Directory and Azure Active Directory. I was the Architecture lead for the projects that are moving Asset Management, Configuration Management, and Service Desk/Maintenance Planning Tool – Aquila’s primary Line of Business Application – from bespoke SharePoint Online applications to new COTS platforms.

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| Aviva | April 2016 – July 2016 |
| Enterprise Architect | |

Short-term contact at Aviva assisting with their Cloud Foundations programme. Aviva had purchased a Cloud Orchestration product which managed both a private and AWS Virtual Private Cloud. However, there were gaps in the overall Architecture as well as policies and procedures to be put in place. As well as running requirements workshops, I wrote Terms of Reference for many of the work streams and worked with the vendors to ensure the service met Aviva’s requirements through SLAs and KPIs.

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| Interserve Justice | January 2015 – April 2016 |
| Head of Architecture | |

### Outline

Head of Architecture for the creation, and migration to, entirely new IT systems to support Interserve Justice taking over 5 CRCs from the Ministry of Justice.

### Key responsibilities

* Definition of IT Policies, Roadmaps and Blueprints
* Overall design of new IT systems to support new ways of working
* Definition of SLAs and KPIs for outsource partner
* Technical ownership of providing the service to the business
* Oversight of vendors providing outsourced services.
* Ensuring that Interserve Justice systems were accredited with the MOJ.
* Liaising with the MOJ to ensure Interserve Justice and MOJ systems were interoperable

### Key achievement/projects

Interserve, as part of the Ministry of Justice’s Transforming Rehabilitation programme, had recently acquired several Community Rehabilitation Centres. The CRCs are the privatised portions of the Probation service dealing with non-violent offenders. As part of the acquisition Interserve had to migrate all the CRCs (over 2000 users and over 600 applications) from Ministry of Justice provided IT. I worked with Interserve Justice as the Chief Technologist/Head of Architecture reporting directly to the Divisional IT Director and working with the Interserve Justice Senior Management Team.

The overall requirement was split into two programmes, one focusing on Applications, one focusing on Infrastructure and Service Delivery. I was the Programme Architect and the Technical Design Authority on both programmes responsible for working with the business to set strategy, developing top level Architecture Blueprints and writing Solution Architecture Documents as well as leading a team of other Architects working on the two programmes. I led the technical evaluation and then led the technical governance of the outsource. I worked directly with the customer facing teams to develop an innovative End User Computing solution that enabled Interserve to move from an office-based model to mobile working. Timescales were particularly aggressive on this project, so I had to push the other architects and suppliers to deliver solutions that can be delivered on time and within budget. I worked with the business to ensure that the services that are delivered accurately meet the different requirements of the five CRCs and Interserve Justice.

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| British Gas | JULY 2014 – December 2014 |
| Enterprise Architect | |

Enterprise Architect at British Gas on their Cloud Programme developing a multi-vendor Cloud Strategy as well as working within the Cloud Architecture work stream. Primarily concentrated on working with very high-level stakeholders and gathering the overall business requirements for platforms and infrastructure and building reference architectures for using cloud services. I was also the Enterprise Architect for a project to deploy mobile apps using AWS.

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| Zurich Insurance | October 2013-July 2014 |
| Cloud Solution Architect | |

Contracting as a Solution Architect at Zurich Insurance initially via KPMG and then directly with Zurich. Zurich were implementing a third-party private cloud solution as well as moving services to Amazon Web Services and Azure. I identified the business requirements and how the cloud service would meet them. I also had to build interim solutions to fill the gaps in the service.

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| British american tobacco | january 2013-october 2013 |
| solution Architect – global datacentre migration | |

Part of the Solution Architecture team for the Global Data Centre program moving Global applications into three new Data Centres and switching service providers. Responsible for overseeing migration of SAP Applications into a new SaaS environment and non-SAP applications into a new IaaS environment. Managed third-party supplier teams based in the UK, Germany and India.

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| Transport for london | february 2012-december 2012 |
| solution architect | |

Initially focused on the Olympic readiness programme - Designing resilience into existing applications ahead of the Olympics. Then working on several Data Centre and application migration projects as well as developing strategy for non-standard mobile workers.

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| CSC | august 2011-february 2012 |
| enterprise cloud architect | |

Primarily focused on CSC’s Cloud offerings and building both the technical and business case around migration to a cloud infrastructure. This role involved the whole project lifecycle from responding to complex tenders to overseeing delivery.

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| SGI | august 2010-august 2011 |
| Enterprise solution architect | |

My role was to develop solutions for customers across Northern Europe. This was a customer facing role presenting at all levels and working at all stages of the sales process.

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| TATA Communications | June 2009-August 2010 |
| Enterprise Solution Architect | |

I was responsible for architecting complete hosted services solutions and private cloud solutions. I designed the end to end data centre infrastructure, servers, storage and networking for the solution and architected data centre migrations. I led technical teams based across the UK, India and the US.

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| Sun Microsysytems | March 2008-June 2009 |
| Lead Solution Architect | |

Lead Architect for a large global mobile telco. I was responsible for the technical relationship between Sun and the customer including providing technical sales and marketing support to the Account Director and Account Managers. I was the virtual team leader for all Sun technical resource on customer projects.

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| IBM | august 1998-march 2008 |
| Pre-sALES Infrastructure ARchitect | |
| Server Sales | |

Initially joined as a pre-sales Infrastructure Architect for IBM Netfinity Servers and became the UK technical lead for BladeCenter. I then passed IBM Sales School with a distinction and achieved 140% of my target in my first year in sales.

# Education and qualifications

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| MSc. Information Security | 2016-2020 |
| Royal Holloway, University of London | Currently Studying |

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| GCE A Levels and O Levels | 1981-1988 |
| Sexey’s School, Bruton, Somerset |  |