

EUGENE ANG

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Profile

A highly motivated and delivery focussed Enterprise/Solution Architect with over 19 years IT experience in application, integration, infrastructure and data architecture. Practical usage and knowledge of Agile, Waterfall, UML methodologies and ITIL framework. Excellent domain knowledge of financial services, construction, engineering, healthcare, retail, logistics and software start-up experience.

Employment History

Bibby Financial Services

Feb 2018 – Present

Bibby Financial Services is an independent financial services partner to small and medium sized enterprises

Solutions Architect

Working in the Architecture and Engineering team to design and deliver on the 5-year technology roadmap which included migration from UK and European datacentres into Microsoft Azure.

Projects:

- Migrated SaaS hosted iBPMS application into Bibby's own Azure subscription saving the business £250k/year on hosting costs. Developed an internal strategy to self-manage the platform saving another £50k/year. Working in a DevOps teams to develop and support MVP departmental apps.
- Global credit risk application (Risk Factor) upgrade to version 4.12 and migrate from UK datacentre to Azure. Bibby's first project to be deployed in Microsoft Azure. The flexibility of increasing server specifications during peak times allowed the business users to carry out their day-to-day tasks without application performance impact.
- Designed a migration strategy for locally hosted applications in Poland to Azure for infrastructure and data. Migrated data from IaaS SQL Server to PaaS SQL database.
- Hands-on experience of creating ARM templates and PowerShell scripts to deploy resources in Azure using Visual Studio. All deployment scripts were parameterised and stored so that they could be re-used and re-deployed easily.
- Designed and implemented enterprise integration layer to allow cross channel content to be shared across multiple internal key systems. The time saved on data re-entry onto all systems was estimated to 5 days per month and significantly improved data quality.

Sainsbury's PLC

Jan 2016 – Dec 2017

Sainsbury's PLC is made up of Sainsbury's supermarkets, Argos, Sainsbury's Bank and Habitat. The PLC is one of the largest retailers in the UK with over 597 supermarkets and 707 convenience stores employing over 180,000+ employees and a combined group turnover of £6bn per annum.

Lead Solutions Architect

Working as a Lead/Senior Solution Architect to manage Sainsbury's Bank's and Argos Financials project portfolio. The role involved documenting solutions in the form of architectural artefacts to support business requirements.

Project: Sainsbury's Bank New Bank Programme

- Migration of services and applications from Lloyds Banking Group into Sainsbury's Bank's datacentres/AWS.

- Design and delivered a complex Credit Cards transformation project incorporating 15 suppliers and over 100 interfaces.
- Designed solutions to re-platform Savings, Mortgages and Insurance systems
- Designed a reusable pattern for consumption of general ledger data into Oracle GL module of Oracle EBS.
- Designed the blueprint for reusable file transfer platforms such IBM Sterling Connect:Direct Secure+ and application level encryption using PGP across the Sainsbury's Bank landscape.
- Developing solution conforming to PCI DSS and FCA guidelines
- Designed architectural solutions for transformation programmes including Loans and debt recovery and Insurance
- Designed a cloud first EDW platform using AWS using Teradata and Informatica
- Agree functional, non-functional and security requirements with external partners
- Providing governance to ensure solutions meets enterprise strategy and roadmap

Project: Sainsbury's Bank – Teradata in AWS

- Re-platform of on premise Teradata appliance into AWS
- Designed ETL interface specifications and definitions for files and services based data transfers
- Solutions were documented using HLDs, LLDs and Solution Outline Documents
- Over 25 interfaces from both internal and external feeds
- Identification and mapping of inbound and outbound data
- Designing of aggregation models for data analysis

Project: Sainsbury's Bank – Records management

- This project was the pre-cursor to Sainsbury's Bank's GDPR programme
- Identification and mapping of metadata types from unstructured sources on local drives, shared file systems and SharePoint 2013.
- Using Azure based application to scan documents to provide business with insight into the documents they own, where they are stored and the data sensitivity classification.

Unipart Logistics

Dec 2014 – Jan 2016

UTL is part of the Unipart group and is the largest privately owned business in the UK, with over £1bn turnover. UTL is a major player in forward and reverse logistics and currently operates with the major mobile and media companies in the UK. With customers such as Samsung, Sky, Vodafone and Apple its technology stack is highly regarded in the logistics sector.

Head of IT Development & Architecture

As Head of IT – Development and Architecture, key accountabilities for the day-to-day operations of the BI, Integration, Software Development and Enterprise/Solutions Architects to deliver solid technical solutions.

Achievements during tenure include:

- Designed and implemented a strategic BI platform for logistics division with a wider view to provide a single platform for group use.
- Delivered a reusable integration platform using API, Web Services and EDI messaging to provide up to the minute logistics information integrating into Sky and Apple's customer self-service portals.
- Created an operating model with design artefacts and governance structures for use within the logistics division and the wider Unipart group.

Carestream Health UK

May 2014 – Dec 2014

Formerly Kodak Health, Carestream Health was formed in 2007. Operating in the healthcare sector the product provides worklists management of MRI, CT, X-Ray and Ultrasound communicating with existing hospital patient data. The software is fully customisable and adapted to each customer's requirements. With over 10,000 employees worldwide and \$2.43 billion profits in 2013 Carestream is one of the major players in its industry.

Technical Architect

The role is to act as an interface between the customer, key stakeholders and the Carestream support team ensuring system availability and contractual deliverables are met. This is a technical hands-on role with a delivery focus and responsibilities include the installation and configuration of Oracle database, customisation of Carestream RIS software, develop and implement bespoke reporting and analysis on the customer's data. Additional tasks include database migrations for large databases (600Gb+) and performance tuning.

Project: Implementation of Carestream software suite | Customer: Lanarkshire NHS Trust

Using Oracle and .Net to develop and customise Carestream's application to meet customer requirements, business rules and processes. The trust wanted a end-to-end customer portal to allow their patients to manage their bookings, view their scan results and treatments received. I created additional data structures to meet the requirements of the customer using PL/SQL to process the additional rules.

Project: Develop data warehouse platform | Customer: Taunton & Yeovil NHS Trust

Designed and developed a BI platform for the trust to extract data from their HIS application. The information was processed in-line with government SLAs and presented in Tableau.

Project: Upgrade HIS platform | Customer: Spire Healthcare

Maintained and implemented Carestream's integration engine (Oracle) where Spire's third party hardware could communicate with Carestream's applications. The technology used was Java and Oracle with HL7 and Dicom as the communication protocol.

NeutrinoBI

Feb 2012 – May 2014

An innovative new player in the Business Intelligence software market, which has achieved global brand awareness and received accolades including Gartner's Cool Vendor Award 2012. NeutrinoBI uniquely provides natural language data discovery using an innovative and powerful user interface.

CTO

Aug 2012 – May 2014

As Technical Director at NeutrinoBI, key responsibilities include the architectural design and strategy development of ground-breaking visual analytics using a natural language search engine that was platform and operating system agnostic.

The role includes engaging with prospects and customers in understanding their requirements, advising and offering a solution to their business challenges, working closely with the development and testing teams to ensure the product is market-ready and ensuring the scalability across all customer bases.

With full responsibility of the development teams it was the responsibility of the CTO to provide architectural blueprints and technical support to market a commercial product.

Product Architect

Jan 2012 – Aug 2012

Responsible for the roadmap and direction of the BI application. Attending TDWI, Gartner technology and BI related conferences to gain insight into market trends and customer feedback to further develop and enhance the NeutrinoBI product. Other responsibilities included designing solutions using story boards and high-level design documents to meet customer requests.

Enpure Ltd

May 2005 – Jan 2012

A construction company working as subcontractors to multi-national partners including Costain, Viridor and Veolia to design and build recycling processing plants worldwide.

Principal Software Developer/Application Architect

The role had full accountability for all in-house developed applications. Managing a team of developers, testers and 1st/2nd line support ensuring availability of back office IT systems to support business users. Introduced and adopted the use of UML methodology for system development.

Designed and built a single view EDW reporting platform.

Purac Ltd – Oracle Developer

Jun 2000 – Apr 2005

Dorset County Council – Junior Oracle Developer

Jun 1998 – Sep 1999

Qualifications

- 2019 – Certified Scrum Alliance Scrum Master
- 2010 - MS SQL Server 2008 R2 Administrator
- 2009 - Oracle 10g administrator
- 2000 - 2:1 BSc(Hons) Business Information Technology
- 3 A-levels, 10 GCSEs

References

Available on request