**Llewellyn Vaughan**

**Profile Summary:**

Leveraging my 20+ years of experience in development, and 10 in leadership, strategy & architecture, I have been able to effectively translate business visions and targets into business capabilities and supporting processes. With a strong focus on Financial Services and more recently Fintech, I have proven expertise within Digital Strategy, Transformation & Architecture with a holistic understanding of impacting both global financial institutions and start-up & greenfield build initiatives. The last two decades working in the UK, Europe, Africa and Asia have afforded me exposure to global best-practice and a cultural understanding which enables my technology & strategy narrative to be seamless.  
  
Most recently, I have been instrumental in launching several start-ups as CTO and Head of Engineering in Asia and EMEA in the Financial Services and Corporate Banking space including, engaging with external partners (Fintechs, VCs, Accelerators, Government) and the start-up ecosystem and running proof-of-concept projects.  
  
Clients I have worked with include Oliver Wyman ( Start-ups in Insurance & Corporate Banking, Financial Institutions ), HSBC UK, UBS, Direct Line Group, Barclays Capital, Barclays Wealth, Halifax, Commerzbank, Bank of Tokyo Mitsubishi

**Work Experience:**

**Technology, Strategy and Transformation • Oliver wyman •**

**SEp-2018 TO CURRENT**

**CTO/Head of Engineering • PAN African BANk • MAR-2019 TO CURRENT**

For a Pan-African Bank, I was responsible for defining the Digital Banking technology strategy and the architecture. This approach was to enable rapid product innovation for CX/UX, allowing a Digital API strategy for the Bank, architecture & platform, which would allow business and technology to assemble or build capabilities and services within the organisation. I then hired and built out the teams across the platform to build the product and components, leveraging our strategic partnerships and Fintech's to fulfil and augment new and existing capabilities, allowing the technology function to manage and bring down operating costs competitively and consistently. Alongside this, it enabled a responsive product, business and technology operating model that enabled my client to adapt to the product (CX/UX) and provider (Fintech's) landscape quickly to capitalise on the market.

**I was responsible for:**

* Defining the Technical strategy, architecture and tech stacks
* Defined the blueprint at all levels of the technology stack enabling an assemble or build architecture
* Defined the architecture and target operating model to establish a componentised landscape using microservices.
* Researched and leveraged partners, FinTech’s and other vendors where possible to fulfil required microservices/capabilities.
* Hired and setup technology teams and architects. Currently at 25 people.
* Providing headcount and budget estimates for the next phase
* Setup and evolved the agile and quality assurance methodology and best practices in the organisation participating at all levels.
* Actively developed & worked with all teams on all aspects of the stack & architecture to establish strong culture and alignment.
* Collaborated and drove CX/UX workshops.

#### Roles: Advisory CTO, Enterprise Architect, Digital Product Workshops, UX Workshops, Business Strategy, Technology Strategy, Operating Model, SDLC, Agile Methodology & Implementation, Quality Assurance, Vendor Engagement, Vendor ( Fintech ) Assessment, Sake Holder Management, Stake Holder Engagement, Scrum Master, Product Owner, Solution Architect, Head of Engineering, Developer, Tester, Data Analytics Strategy & Architecture.

#### Skills: Java, Node.Js, Python, Go, React, Spring, Docker, Postgres, Cucumber, Gherkin, Kubernetes, IIB (Broker ESB), MQ, JEE Servers, FTP, AWS RDS, EC2, DynamoDB, S3, Lambdas, Serverless Framework, Finacle, TDD, BDD, pull requests

#### **STRATEGY & Advisory • ASIAN BANK • FEB-2019 TO MAR-2019**

#### Defined a strategy and roadmap for a leading Asian Banks API Strategy and technology, process and architecture roadmap. Resolved some interim technology and architecture issues that helped them work around technological limitations, enabling them to continue to grow their underlying technology capability and secure clients.

#### Roles: Advisory, Digital strategy, Business Strategy, Technology Strategy, Operating Model, SDLC, Agile, Agile Methodology & Implementation, Quality Assurance, C-Level Stake Holder Management, Stake Holder Engagement, Scrum Master, Product Owner, Solution Architect, Head of Engineering, Developer, Tester, Data Analytics Strategy & Architecture.

#### Skills: Java, Spring, Cucumber, Gherkin, IIB (Broker ESB), MQ, JEE Servers, AWS, Finacle

#### **CTO ( Advisory / Support ) • INSURANCE STARTUP • JAN-2019 TO FEB-2019**

#### Acting CTO for a Hong Kong based Insurance start-up evaluating the technology strategy, process and build at all levels. Resolving key technology, delivery and process issues that enable them to launch and be ready for the start date.

#### Roles: Delivery Management, UX & Product Workshops, Revising Product/UX, Agile, Agile Methodology & Implementation, Quality Assurance, C-Level Stake Holder Management, Stake Holder Engagement, Scrum Master, Product Owner

#### **Skills:** Java, Spring, Microservices

#### **STRATEGY & Advisory • GLOBAL COMMIDTIES HOUSE • SEP-2018 TO CURRENT**

#### Define a digital strategy for a global commodities house. Evaluated all existing technologies to define the current landscape and a path to the target state for technology and business to enable them to become a trading house. Overseeing ongoing delivery and architecture.

#### Roles: Delivery Management, UX & Product Workshops, Revising Product/UX, Agile, SDLC, Agile Methodology & Implementation, Quality Assurance, System Analysis, System Design, C-Level Stake Holder Management, Stake Holder Engagement, Scrum Master, Product Owner

**Skills:** Java, Python, Excel VBA, SAP.

#### **HEAD OF ENGINEERING • HSBC Global Banking and Markets •**

#### **Aug 2017 – Aug 2018**

Hiring a team eventually totalling 24 people for this greenfield digital project focusing on customer experience, I analysed, design and built across all stacks a cloud-enabled microservices architecture and product for their corporate clients and relationship managers globally. I hired and co-ordinated delivery across a global team defining testing and quality controls. The product helped my client transform their existing legacy infrastructure, enabling cloud migration and hybridisation of their legacy infrastructure to deliver the digital platform and enable their overall technology strategy to migrate to the cloud.

#### Roles: Java Lead Developer, Technical Lead (Hands on), SDLC, Agile Methodology & Implementation, Quality Assurance, Technical Architect, Devops, Stakeholder Management, System Analyst

#### Skills Used: Java 8, REST, React, Vert.x, RxJava, Oracle, PL/SQL, Spring Boot, Websphere Liberty, REST, Maven, Micro Services, Agile, Oracle 12c, PL/SQL, BDD, Agile, Cloud (PCF), Eureka, Hystrix, Zuul, Ribbon

#### **HEAD OF ENGINEERING • UBS • OCT 2016 – Aug 2017**

Running a few teams of developers of approximately 15 people, I helped analyse, design and build a global system commission management system to help my client modernise their existing platform and comply with the MIFID 2 regulatory requirements. During this build I facilitated Program Sizing and Estimation, Project Estimation and costing, hiring, managing and was actively involved in Developing, Driving the Product, Architect, Scrum Master, Analyst.

#### **HEAD OF ENGINEERING • DIRECT LINE • MAY 2016 – SEP 2016**

#### As a Lead Engineer of a team of 3, I developed, designed, and built various features in conjunction with the Business. I lead the architecture, product and delivery aspects of the implementation engaging with multiple stakeholders and technology owners to assess requirements and deliver the product or feature for the Business and carrying out resourcing and development of the product or feature end to end.

#### **SENIOR LEAD ENGINEER • HSBC • NOV 2015 – MAY 2016**

#### As a Lead Engineer of a team of 15 people, I helped to build and design a global system utilising required to collate, assess, and updating all of their customers (approximately 47 Million). Managing aspects of the stakeholder engagement, technical backlog, development, architecture and overall product delivery as part my overall roles and responsibilities.

#### **SENIOR LEAD ENGINEER•Clydesdale Bank • JUL 2015 – OCT 2015**

#### As a Lead Engineer of a team of 8, I ran a delivery team and helped refine architecture strategy, solution design and delivery to solve several integration issues relating to leveraging legacy systems. I also Reviewed, Developed and assessed developers work and carried out a few P.O.C.'s around scalable processing solutions.

#### **HEAD OF Solutions Architecture • METROPOLITAN HEALTH GROUP •**

#### **OCT 2010 – jun 2015**

#### Starting as a Senior Lead Engineer on a technology platform migration I setup a full end to end SDLC building a number of POC’s and solutions which included a high-volume claims adjudication engine, rules and business process components.

Moving into a Head of Engineering position I defined the overall solution architecture lead & advised the business and technology teams on how best to develop and implement the various solutions on the new technology platform to enable their transformation program of work through microservices.  
  
I was then moved to Head of Solution Architecture across all technology stacks responsible for building and managing a team of 40. Remaining hands on in all aspects and playing in a cross functional, cross technology supporting function I helped enabled technology and architecture delivery and research.  
  
Joined the Technology Transformation initiative which the Solution Architecture function overall helped to align target operating model and enable technology to facilitate the broader corporate strategy.   
  
Co-lead the IT Hardening, Target Operating Model initiatives.  
  
Design and implemented the frameworks and best practices to facilitate the migration and integration of the new IBM development technologies with the existing legacy systems and infrastructure.  
  
Roles: Technical Team Lead, Senior Java Developer, Architect, Integration Architect, Head of Solution Architecture, Development Manager, Program Manager, Technical Delivery Manager, Change Manager, Release Manager, Stakeholder management, Distributed Team Management, Vendor Management.

#### **HEAD OF ENGINEERING • BARCLAYS CAPITAL• SEP 2008 – APR 2013**

#### Leading two teams of 20 people. I designed & built a real time liquidity & funding solution for the derivatives' business within Barclay's Capital. It generated savings. Subsequent to that I have been maintaining and continuously streamlining the application to more effectively improve internal cash flow management and funding. I designed and co-developed a US audit platform to meet audit requirements imposed by the FDIC on the US branch. As an SME on the technology for funding and liquidity Co-designed the architecture for the new Global Real-time Funding solution to be implemented across the entire Barclays Group to replace my previous system and onboard all groups and product lines into a centralised collateral and cash management system. Roles: Technical Team Lead, Senior Java Developer, Java/J2ee Architect, Stakeholder management, Distributed Team Management, Solution Architecture, Change Management

#### **Senior LEAD ENGINEERING • BARCLAYS WEALTH • JUL 2007 – JUN 2008**

#### I was lead developer on a number of projects managing 3 teams of 20 people. Liaised with management and stake holders through-out the project. I built a web-based Collateral Management tool. An Operational Datastore based on the SAS Banking model for Basel 2 reporting.

I lead and worked on a Market data ODS using Bloomberg market data and a Liquidity and volatility platform to enhance the market data used in the ODS and Collateral management tool  
  
Roles: Technical Team Lead, Development Manager, Senior Java Developer, Java/J2ee Architect, Data Architect, Stakeholder management, Distributed Team Management, Solution Architecture, Change Management.

**Early Experiences:**

#### **Senior SOFTWARE DEVELOPER • HSBC Investments • OCT 2006 – Jul 2007**

#### **Senior Software developer • HBOS Treasury services •**

#### **APR 2004 – SEP 2006**

#### **Software Developer • Dresdner kleinwort • DEC 2002 – Mar 2004**

#### **Software Developer • Bank of tokyo mitsubishi UFJ •**

#### **JUN 2002 – NOV 2002**

#### **TECH TEAM LEAD • BARCLAYS UK • FEB 2002 – MAY 2002**

#### **Software Developer • PricewaterhouseCoopers •**

#### **MAY 2000 – DEC 2001**

#### **Software Developer • Hewlett-Packard • DEC 1999 – MAY 2000**

**Software Developer • Thomson Reuters • JUL 1999 – NOV 1999**

**Software Developer • Support to SALES • NOV 1998 – JUN 1999**

**Software Developer • Wandata • jan 1998 – SEP 1999**

**Software Developer • ABACUS • NOV 1998 – JUN 1999**

**Education :**

#### The University of Salford

#### MSc Information Systems Management • Due to complete 06-2020

DISSERTATION: Digital Innovation a way forward for the highly regulated Enterprise

**Technical Skills:**

## DIGITAL BANKING

## FINTECH

## DEVELOPMENT

## AGILE

## ARCHITECTURE

## CX & UX INNOVATION

## STRATEGY

## DIGITAL TRANSFORMATION

## TECHNOLOGY

## DELIVERY MANAGEMENT

## MICROSERVICES

## AGILE METHODOLOGIES

## LEAN BUILD

## FINTECH/VENDOR ENGAGEMENT

## BUSINESS STRATEGY

## TECHNOLOGY STRATEGY

## SENIOR STAKEHOLDER