LAURENT VILLEPIGUE

Senior Solution Architect | Cloud, Integration & Enterprise Modernisation

Azure AWS .NET/Java | Financial Services | AI-enabled Solutions

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London | UK permanent resident | Available immediately | Onsite / Hybrid / Remote

EXECUTIVE PROFILE

Senior Solution Architect highly experienced designing and modernising complex enterprise platforms across financial services and global organisations. Deep expertise in cloud architecture, systems integration, APIs, event-driven platforms and legacy modernisation across Azure, AWS and hybrid environments. Experienced in defining target architectures, leading technical decision-making and aligning engineering, product and business stakeholders from early discovery through PoC and production delivery. Combines strong hands-on technical understanding with enterprise-level architectural leadership, with recent practical experience applying GenAI and LLM technologies to cloud solutions.

CORE SKILLS

Architecture	Solution and Enterprise Architecture, Event-Driven Architecture, API-First, Microservices, Distributed Real-Time Systems, Integration, Legacy Modernisation
Cloud & Platforms	Azure, Microsoft 365, AWS, Kubernetes, AKS, ECS, Azure Functions, AWS Lambda, API Management, Service Bus, SQS, GCP, Terraform
Data	Oracle, SQL Server, PostgreSQL, MongoDB, Apache Spark, Power BI
Engineering	C# / .NET, ASP.NET, Java / Kotlin, Python, JavaScript / TypeScript, Spring, React, React Native, Angular, Android, iOS
AI-enabled Solutions	Azure OpenAI, Amazon Bedrock, AI Search, Document Intelligence, RAG / LLM integration; practical experience developing AI-enabled PoCs and solutions

PROFESSIONAL EXPERIENCE

Independent Consultant | The Blind Spot **Feb 2026 - Present**

- Building an Amazon Bedrock-based AI pipeline for automated news article and market data, classification, relevance scoring and filtering through LLM-based analysis ingestion for a financial markets publication.
- Defining event-driven processing architecture, services, data flows, human-review workflows and security, using Python, GitHub Actions CI/CD and Terraform infrastructure as code.

Senior Solutions Architect | Kantar Worldpanel **Apr 2019 - Jan 2026**

- Defined target architecture and technology roadmaps for a global market-research platform spanning mobile, web, integration, data processing and AI services.
- Provided architectural leadership across product, engineering and business teams, translating complex requirements into scalable solution designs and guiding delivery from PoC through implementation. Using C4, ADRs, Sequence diagrams with LucidChart.
- Led two architects and validated key architectural decisions through PoCs using .NET, Azure API Management, Service Bus, PostgreSQL, Document Intelligence, Language, AI Search and OpenAI services.

- Led the migration to Azure of an externally acquired application.
- Improved enterprise visibility across an estate of more than 200 applications using LeanIX and Power BI, supporting investment prioritisation and technical-debt reduction.
- Upskilled teams in cloud and DevOps practices, shortening delivery lifecycle and increasing IT-team autonomy. On Kubernetes, Spring Boot, Azure DevOps, Azure Container Apps, Azure SQL Database

Technical Architect | BJSS (now CGI) **Nov 2018 - Feb 2019**

- Designed the architecture for a major UK academic institution integrating Salesforce, Moodle and AWS; automated workflows and delivered a PoC to validate feasibility and technology choices.

Lead Developer | Scott Logic **Sep 2018 - Oct 2018**

- Modernised legacy energy-trading applications using web-based .NET and Angular architectures on Oracle, reducing technical debt and enabling future extensibility.

Senior Consultant | Push Technology **Oct 2014 - Aug 2018**

- Delivered post-sales onsite architecture consulting, performance tuning and pre-sales engagements across web, mobile and desktop, building PoCs and PoVs that accelerated client adoption.
- Authored competitor analysis and a product roadmap; created API wrappers across C#, C++, Java, Swift, Kotlin, JavaScript / TypeScript, React, Angular and Python.

Front Office Developer | BNP Paribas **Feb 2014 - Aug 2018**

- Developed a forex trading position-reconciliation system using Oracle Coherence, C# and Java.

Product Owner | Dexia Asset Management (now New York Life), Brussels **Jan 2012 - Feb 2014**

- Product Owner for the Charles River Trading and Compliance Management System, owning requirements through delivery for portfolio managers and the trading desk.

FINANCIAL SERVICES & EARLIER TECHNOLOGY EXPERIENCE

- Earlier architecture and engineering experience with **Barclays Capital**, **UBS Investment Bank**, **Societe Generale Bank & Trust**, **Morgan Stanley** and **Barclays Global Investors** (now BlackRock), delivering trading, portfolio-management, integration and real-time financial systems.
- Additional technology experience includes **Electrabel GDF-Suez** (now Engie), **Nokia**, **Misys** (now Finastra), **eDocs** (Oracle Siebel), **Syntel** and **HomeGate**.

CERTIFICATIONS

- AZ-104 Microsoft Azure Administrator
- AI-103 Microsoft Azure AI Apps and Agents Developer Associate (in progress)
- AWS Solutions Architect Associate aws CERTIFIED
- Oracle Certified Java Enterprise Architect
- HKSI Papers 1, 7, 12 - Fundamentals of Securities & Futures Regulation, Financial Markets and Asset Management

EDUCATION & LANGUAGES

- Licence in Computer Science (BSc equivalent), Paris 6 University
- University Degree in GUI Programming, Paris 6 University
- Fluent English | Native French | Intermediate` Mandarin & Italian