



JEAN-JACQUES MAS

Senior Architect & PM

Bilingual English – French

Leadership – Team Spirit – Agility – Communication – Creativity

Private & Public Clouds
SaaS - IaaS - PaaS - CaaS
AWS - Azure - IBM Cloud

30-YR CORPORATE EXPERIENCE

INTEGRATION – DEV – PRODUCTION

details

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- linkedin.com/in/jean-jacques-mas
- Saint-Cloud (92), France
- French nationality

role

Cloud Integration	8 Y
IT Architecture	20 Y
Project Management	10 Y
TIBCO Expertise	15 Y

Business

SERVICE	
Finance, Trading rooms	11 Y
Banking & Insurance	9 Y
Software development	1 ½ Y
Gaming, Tourism	1 ½ Y
INDUSTRY	
Telecom, Transport	2 ½ Y
Health, Pharmaceutical	1 ½ Y
Energy	1 Y

languages

ENGLISH	5 YEARS IN UK - BILINGUAL
FRENCH	MOTHER TONGUE
SPANISH	FAIR LEVEL
RUSSIAN, PORTUGUESE	BASIC

interests



profile

Experienced international **Cloud Technical / Solution Architect & Project Manager**, I offer you a triple expertise in **Private & Public Clouds** - AWS, Azure, IBM, CaaS Kubernetes, DevOps, CI/CD ; **APIs & API Management** and **Flows & Interfaces** - micro-services, SOA, BPM, ESB incl. TIBCO.

Specialized in Software & Cloud **Integration, CyberSecurity**, up to **Artificial Intelligence**, using Agile & DevOps approaches, I developed a large IT & Business vision thanks to 30 years in **International Corporates** from Paris & London: Finance, CAC 40, BNP Paribas, SG, CA, AXA, Natexis, Coutts & Co and The LCH, and for international **Digital Companies** including Accenture, Capgemini, Atos and DXC technology.

I participated in core business overhaul missions – including BPM, ERP, MDM – often « **mission critical** » and under strong constraints of service level and delivery by bringing **determination, pragmatism, consensus and quality**.

technical skills

ARTIFICIAL INTELLIGENCE	• Generative AI, Machine Learning, Neural Networks, Fine Tuning, Quantisation, Data Models, Experts Systems & more
ARCHITECTURES	• Public & Private Clouds - AWS, Azure, IBM Cloud, Orange, OVH GDPR, Crown Jewels, N-Tier, Security-by-design
METHODOLOGIES	• DevOps, Scrum, SaFe, Kanban, TOGAF, Kanban, ITIL, CMMI, UML
CLOUD, DEVOPS	• SaaS, IaaS, PaaS, CaaS, Kubernetes, Istio, Docker, Swarm Open Shift 4, Open Stack, Docker Swarm, UCP, DTR
CI / CD	• Jenkins, GitLab, Artifactory, Nexus, X-Ray, Vault, Consul, Redis, ZooKeeper, Ansible, Theia, Komply, Dockmatik, Prometheus, Sensu, Terraform, ArgoCD, Velero, Elasticsearch, Grafana
BIG DATA	• Hadoop, ELK / ECE, TIBCO Gigaspace
API, SERVICES	• API Management, WS02, Apisix, WS REST & SOAP, Java, XML
ESB, EAI, MOM	• Kafka, RabbitMQ, IBM MQ/Series, WebMethods, BEA Tuxedo
CEP	• Tibco EMS, Admin & Designer
SOA, BPMS	• TIBCO ActiveMatrix BusinessWorks, AMX, BW 6 & 5, BPM, MDM
BAM	• Tibco Spotfire, iProcess
MIDDLEWARE & JAVA	• IBM WebSphere, BEA WebLogic, Apache, Tomcat, Microsoft IIS Eclipse, VisualAge, EJB, JSP, J2EE, Javascript, VB Scripts, HTML
ERP	• CRM Siebel, PeopleSoft, SAP, TALEO, SWIFT & many others
SYSTEMS	• VMWare, Xen, Linux RedHat, CentOS, SUSE, UNIX Solaris, IBM Aix Windows Server 20xx, Windows 10/8/7, VMS, MVS, GCOS
SGBD	• ORACLE, SQL Server, PostgreSQL, MySQL, DB2, SYBASE, INGRES, Ms/Access, Fame
NO/SQL	• Cassandra, MongoDB, Couchbase, Reddit
LANGUAGES	• Java, Python, PHP, Visual C++, C, SQL, Lisp, Ada, Eiffel, Cobol, Smalltalk, Basic, Asm
PROJECT MANAGEMENT	• Management: Ms Project, PMW Design: Lean IX, C4model, MEGA, Rational Rose, AMC Designer

education

MASTER 2 IN COMPUTER SCIENCES - TOP ENGINEERING SCHOOL	MAGNA CUM LAUDE
1992 EPITA, PARIS – SPECIALISATION IN AI	TOP OF MY YEAR
DUT (2-YEAR UNIV. DEGREE) IN COMPUTER SCIENCES	CUM LAUDE
1987 UNIVERSITY OF LIMOGES, FRANCE	
HIGH SCHOOL DIPLOMA – MAJORS IN SCIENCES	MATHEMATICS
1985 BRIVE-LA-GAILLARDE, FRANCE	PHYSICS - CHEMISTRY

JAN. 25 - CURRENT	Technical & Cloud Architect – « Market Making » AI Projects - Defined Application and Technical Architectures for Advanced AI Solutions - Led Pre-Sales Activities with Major Enterprise Clients – Account Opening and Big Data Cloud Evolutions in a Telco Environment - Big Data Projects, Technical Audits, Upskilling Initiatives - Gen AI, Azure AI Foundry, AWS Bedrock, Hadoop, Spark, Kubernetes, API Mgt	Capgemini Engineering Région Parisienne
JUL. 24-DEC 24	Cloud Architect – Move To Cloud Initiative - Defined the Cloud Migration Strategy for a Core Business Solution - International Gaming Platform for a North American Institutional Client - Specified both Functional and Technical Big Data Monitoring - AWS, Kubernetes, API Management, Hadoop, Spark	FDJ Paris area
OCT. 2022-JUN 24	Cloud & Technical Architect – Revamping of International Group IT - Technical Architecture in the Corporate Team dealing with IT needs of the International subsidiaries FR – IT – DE – ES – PT - Definition of the Cloud Migration Strategy for Core Business Solutions - Specification of the International Business Integration Platform - Security Audit of the key solution including Apple Trading Platform - Delivery of the new Trading Room Telephony solution with IPC - AWS, Kubernetes, API Management, WsO2, Kong, IPC, Snowflake	Credit Agricole Group CA Personal Finance & Mobility, Paris
FEB. 21-SEP 2022	Cloud Integration Architect – Design & Framing of Cloud solutions - Open Shift migration projects for Crédit Agricole & BNP Paribas projects Open Shift, BD2, Data Gate, Cloud Pak for Data, Sécurité, Linux on Z - Migration of existing solutions towards SaaS and AWS Cloud SaaS Solutions, Business Intelligence, Security, AWS, Linux - Core Business Solutions migration towards IBM Cloud IBM Cloud, DB2, High Availability, DR, Istio, Tomcat, Apache, Linux, Windows - Core Business solutions generalization towards Private Cloud VMware, Tomcat, Apache, Benchmarking, Security, Linux, Windows	Red Hat France Crédit Agricole BNP Paribas Compass France Manpower France Vinci Group
JAN. 20-JA. 2021	Cloud Integration Architect – Cloud Broker French Market - Migration of the 60-AXA Entity applications to AWS & Azure Public Clouds and CaaS Private Cloud under strong security constraints - Specifications of Private Cloud or Hybrid Architectures as well as CI/CD of the Big Data, IA or DW Projects subsidiaries - AXA France, AXA Bank Incl. taking into account specificities of Data Secret & Crown Jewel solutions - MS Azure, Amazon Web Services, OpenShift 4, Kubernetes, Full Stacks SaaS, IaaS, PaaS, CaaS & Hybrid Architecture models, Snowflake, Colibra	AXA Group Operations Paris
SEP. 18-DEC. 19	Cloud & CI/CD Architect – Cloud Hybrid Group Plateform - Creation of the CA GIP Hybrid Cloud Platform of the Crédit Agricole Group with the 8 Squads in DevOps mode, ie 55 people from the 4 main subsidiaries Implementation of the API Management approach based on WSO2 - Development of the CA CIB Cloud Platform for the Worldwide Finance uses - Integration of the transversal services of the various CA subsidiaries - Kubernetes, Docker, Open Stack, WSO2, ArtiFactory, ELK, Kafka, SCRUM, SAFE Jenkins, GitLab, SonarQube, X-Ray, Ansible, Terraform, ArgoCD, Vault	Crédit Agricole CIB Paris
APR 17-SEP. 18	TIBCO BPM & BW Architect – #1 BPM Project - Redesign of the international Core Business for the Company's flagship project Definition of the technical solution & Generalization to France & UK - Management of technical issues in Agile mode and liaising with TIBCO France - Management in DevOps mode of the environments with the Technical Teams - Definition and implementation of the cross-system benchmarking approach - TIBCO BPM, Spotfire, BusinessWorks 5 & 6 & EMS, GED, SCRUM AS/400, Linux, Windows, UC4, Nagios	BNP Paribas Leasing Solutions Nanterre
FEB 16-MAR. 17	Cloud & Middleware Architect – Global GBIS Cloud Platform Participation in the Private Cloud and Public Cloud strategy in Agile mode	Société Générale GTS pour GBIS

	• Specifications of the transverse Cloud Platform in DevOps mode • CaaS & PaaS Transformation program oriented towards API & Automation Conception & Migration of Pre-Trade & Post-Trade solutions • Migration of MFT transfert solutions leasing with External Partners • Docker Data Center, Swarm, UCP, DTR, SWARM, UCP, DRT Big Data, Hadoop, RabbitMQ, TIBCO iProcess, BW 6 & EMS, IBM Sterling FTG, IBM Websphere MQ, Axway Synchrony, SCRUM, SAFE	Paris-La Défense
JUNE 14-DEC. 15	MDM & SOA-EAI-ESB Architect & Dev. Lead – Worldwide HR Project • Project #1 for the integration & redistribution in Agile mode of Human Resources between BNP headquarters and its 160+ subsidiaries • Design, implementation & maintenance of the solution in all modes – SaaS & Big Data incl. – and the central MDM Databases through TIBCO solution • TIBCO Businessworks 5 & 6, EMS, Spotfire, RV, PGP, CFT, Oracle, Hadoop CornerStone OnDemand, Taleo, Unix & Windows, SCRUM, SAFE	BNP Paribas, Paris Via Capgemini Finance Paris, Nantes & Barcelona
JULY 2013-MAY 14	BPM / ESB / TIBCO Architect & Tech. Lead & PM – #1 HR Project • Critical project to merge Human Resources flows between Sanofi Group & Genzyme, the biotechnology leader in the USA • Design and implementation of the exchange solution and its foundation • TIBCO BPM, Businessworks, EMS & Spotfire, Oracle, Unix/Windows	SANOFI, Paris Genzyme, NY, USA
DEC 2012-JUNE 13	BPM - BI - EAI Architect – #1 European Regulatory Project for Bonds • Launching and framing of an international project for the creation/distribution of legal documents - Multilingual transverse business process • 100.000 Bond KIIDs produced annually • TIBCO BPM, Businessworks, EMS & Spotfire, ETL AB Initio, BO	BNP Paribas IP Paris, Brussels & Luxembourg
AUG 2012-NOV. 12	CRM / BPM / Big Data Architect – #1 Sophia Program • Audit & Technical framing of the VSR & Scaling up Follow-up of technical deliverables for the international Editor in the USA • Analysis & Audit of Business Processes and Business Rules • 4-year CRM & Big Data program for Chronic Disease Management • 5 CRM Centers in France & DOM – 200 People managing 2 million Patients	CNAM, Paris Healthways Nashville, USA
JAN 2012-JULY 12	SOA & BPM Architect – ESB international Plateform • Technical evolutions of the INES platform of multi-channel exchanges • Technical & Functional integration of new key Projects & Evolutions • Software AG WebMethod, IBM WebSphere, Java /J2EE, CFT, Unix/Windows, CFT	GDF SUEZ Paris & Brussels
FROM 2007 TO 2011 BASED ON PRODUCTS	EAI / ESB / BPM / SOA / TIBCO PROJECT MANAGER, DESIGNER & ARCHITECT TIBCO BPM & IPROCESS, BUSINESSWORKS, CIM, BUSINESS EVENTS, EMS & RV JAVA/J2EE, WEBSERVICES, JMS, XML/XSD, ORACLE/DB2, LINUX, WIN, MVS	
AUG. 2011- DEC 11	SOA / ESB / EAI Architect – First Global SOA Platform SOA • Specifications, Architecture and Prototyping of the very first ESB / EAI platform designed to host in SOA mode the next generation of solutions and build the global MDM solution of reference data • Technical and functional specifications of the platform Definition of the application and technical architecture • Evangelization of the technical teams	EULER HERMES Paris
JAN 2011-JULY 11	EAI/BPM Architect – #1 Central Swift Solution (26 Banks) • Migration of the Swift flow management solution to TIBCO BW software managing several tens of billions of euros / day • Definition of the technical architecture & design of the application foundation Validation of suitability for Operations and production roll-out & tuning • Study of the TIBCO Collaborative Information Management solution • Coordination des ressources techniques	NATIXIS Paris-Bercy
MAY 2010-DEC 10	BPM / SOA Architect & Tech Lead – #1 EquiLend Stock Exchange Project • Development & integration of the exchange flows between the Trading Room & the international Marketplace EquiLend in New York (81 Market Markers) • Integration in SOA mode of REPO internal business processes	SG SS SOCIETE GENERALE Paris-La Défense

	• Implementation & Tuning of the solution • Coordination of technical resources	
MAY 2009-APR. 10	SOA Architect & Tech Lead – #1 Worldwide Trading Room Risk Project • Development & implementation of the processes & the interfaces counterparty Risk Management solution • 100+ Flows feeding the Global Centers & Solutions with reference data • 34 trading rooms broadcasting 1.2 million pieces of information daily	SG CIB SOCIETE GENERALE Paris-La Défense
JULY 2008-APR. 09	EAI / BPM Architect & Tech lead - #1 220 Racecourses Integration Project • Overhaul of the interface processes of the Central Information System • Integration in SOA mode of the equestrian flows from the 220 racecourses in the central Mainframe repositories & redistribution to TV & Media channels • Definition of the technical foundations and BPM / Businessworks flows Benchmarking & Volumetric study up to 2.000 msgs/sec • Training & Technical supervision of the EAI team of 5 people	PMU via Capgemini Paris & Evry
SEP 2007-JUNE 08	EAI/BPM PM & Architect – #1 Core Business Overhaul Project • Overhaul of the core business realized by Oracle Corp. with Peoplesoft • Urbanization of the flows and design of the transverse architecture • Integration with the CRM system under Siebel and the MDM repository • Management of the EAI team in charge of the business interfaces • TIBCO iProcess, BusinessWorks, EMS & RV – WebServices PeopleSoft - CRM Siebel - Oracle – UML – Unix/Windows/MVS	CREDIT AGRICOLE EUROFACTOR Paris
FROM 1999 TO 2007	TECHN. PROJECT MANAGER & EAI/BPM DESIGNER & ARCHITECT IN FRANCE & UK	
BASED ON PRODUCTS:	TIBCO, WEBSphere AS, BI & MQ, WEBMETHODS, SAP, SIEBEL, KABIRA ORACLE, DB2, INFORMIX, JAVA / J2EE, UML, UNIX, VMS, WINDOWS	
MAR 2006-SEP. 07	Technical PM & SOA Architect – #1 Core Business Overhaul Project • Overhaul of the core business in SOA and Mainframe downsizing to VMS • Technical management of the project deliverables from 40 people • Urbanization of Services and Repositories in SOA mode & Cartography of Flows • Specifications of a cross-systems Benchmarking test methodology • WebSphere Application Server & WebSphere Business Integration Java/J2EE – UML – Oracle/DB2 – Unix/VMS	SMA BTP Paris & Orléans
SEP 2005-FEB. 06	Technical Project Manager – #1 Booking Core System redesign • Follow-up of the deliverables from Accenture project team (20 people) • Coordination of internal technical resources (30 people) • Definition of the worldwide technical architecture: Call Centers in France & UK, Application servers in UK, EAI in USA, and Back-ends in France • Benchmarking of the solution at Sun Microsystems • WebSphere, Java/J2EE, TIBCO, Informix, Unix, VMS	EURO DISNEY Paris
JUNE 2004-AUG. 05	Technical Project Manager & IT Architect – New Telecom 3G Projects • Coordination of internal technical contributors & Paris partners for the design and deployment of new 3G projects • Urbanization, Validation & Portage des architectures auprès de FT • WebSphere – Java/J2EE – TIBCO – WebMethods – Oracle	ORANGE FRANCE Paris
NOV 2003-MAY 04	EAI / BPMS Project Manager– Etude EAI / BPMS • State of the art of the EAI and BPMS market • Comparative study of the solutions of the main suppliers including TIBCO BusinessWorks & IBM Websphere Business Integration • Urbanization and Flow Cartography of the Stock Market domain	CREDIT AGRICOLE INDOSUEZ, Paris
JUNE 2003-NOV. 03	Worldwide Project Manager – Trading Rooms IT Financial Charge Back • Global Head of the project in charge with managing worldwide SG CIB's assets and to re-invoice financial IT costs to the Trading Room Business Lines • Implementation of the Activity-based Cost Management method • Peregrine Asset Management, Oracle, Unix/Windows	SOCIETE GENERALE SG CIB, Paris
MAY 2002-JUNE 03	Project Manager Deputy & Architect – EAI / BPMS Telecom Project	CEGETEL

	• Telecom project to support 35 million subscribers and integrating CRM, billing & litigation systems and 3G UMTS network systems • Platform of 40 people in charge of an operational prototype • EAI State of the art & Comparative study of IBM & TIBCO leading solutions • TIBCO BusinessWorks, Integration Manager, InConcert, RV Siebel - SAP - Kabira - Corba - Java, XML, UML	Via ACCENTURE Paris
JUNE 2001-MAY 02	CRM & Intranet Project Manager - #1 CRM Project • Strategic framing & launch of the international CRM project on behalf of the English, French & Belgian international operators • Definition of the global strategy & coordination of the requirements gathering Study of distribution channels for all media: Intra / Extra / Inter-net Specifications of the Flows & Interfaces with external Patners • Implementation of an Oracle Datawarehouse with WebMethods EAI solution	EUROSTAR London, Brussels Paris
MAY 2000-MAY 01	Project Director – EAI & BPMS TIBCO Solutions • Operational manager of the global resourcing partnership between Reuters and Net2S within the framework of the creation of Reuters Consulting • Recruitment, Training, Supervision and technical management of the team of 20 EAI consultants in Financial environments • On site & Off site training to the TIBCO Finance Product range • TIBCO EAI, ESB, BPMS, InConcert, Integration Manager, ActiveEntreprise, RV	TIBCO Finance UK, Europe & USA
MAR 1999-MAY 00	Technical Director – EAI / Middleware & E-Commerce Project • Design & Implementation of the global HUB Middleware Platform for the new generation of 24*7 Internet and multimedia systems • Senior member of the architecture team for the 120 person team • Multi-site integration of 300 real-time clients & 20 Internet servers with central services through a multi-layer N-tier architecture • IBM WebSphere MQ - TIBCO RV - ETX - Hawk - Alier - Tuxedo – Oracle C++, Java, Perl sur Unix & Windows NT - Multicasting	COUTTS & Co London
FROM 92 TO 1999 BASED ON PRODUCTS	PM, SOFTWARE ARCHITECT & DEVELOPER, SYSTEM ING. IN FRANCE & UK TIBCO, WEBSPPHERE MQ, WEBMETHODS, JAVA / J2EE, C / C++, LISP ORACLE, INGRES, UNIX, MVS, NT	
MAR 1998-MAR. 99	Team Leader – #1 EAI & / Service Bus Project • Implementation of the new MIDS platform for the integration of internal and external financial flows of the LIFFE Exchange • Team of 10 people working under several systems In charge with the Unix & NT team composed of 4 engineers • Multi-site architecture based on a global software information bus • TIBCO Rendez-Vous CM – IBM MQ/Series – TibMsg – Hawk – FHs C++ et Java sur Unix – Windows NT – VMS	London Clearing House , London
APR 1995-JAN. 98	Front-Office Project Manager – #1 Fixed Income Trading Project • Launch and management of the FIT Paris Bond Trading project Global distributed system implemented in Europe • Master plan, budget management, planning, and follow-up • Recruiting and managing the team of 6 engineers • Design and implementation of the distributed multi-site architecture based on calculation servers and Securities & History databases • C / Unix Services, Sybase, Ingres, Fame, TIBCO, Teknekron Unix / NT / C / C++ Graphical Clients, Motif, MS Tools	BNP PARIBAS Paris
JAN 1993-MAR. 95	UNIX, DB & TIBCO System Engineer – Multiple Clients Project • In charge with the Front-Office Systems Administration & User Support Platform of 30 servers and 250 Unix client stations • Implementation of the new Trading Room Front Office systems Development & Integration of the flow rebilling system Platform of 30 TIBCO servers and 60 Unix client stations • Moving & Implementation of the Trading Room in the new Headquarters Platform of 15 servers and 30 Unix client stations	ATOS ORIGIN , Paris CDC Gestion - 2 months JP MORGAN - 3 mois CARDIF - 3 mois

	• In charge with the Back-Office systems Administration and User Support Platform of 20 servers and 50 Unix clients	CDC Gestion - 1 an ½
MAR 1990-DEC. 92	Software Engineer in Artificial Intelligence • Design & development of the NEMESYS incident resolution system on worldwide SNA networks, sold to SOLVAY & Rhone-Poulenc • Graphical solution in Lisp++ & C++ on Windows Servers & Clients	ADVISEURS Inc. Paris

Audit experience

MAR-JUNE 2017	Audit & Specifications of the new GSF ESB platform • Functional & Technical Specifications • Writing of a White Book on ESB & SOA Standards & Best Practices • TIBCO Businessworks 6.3, Windows Server R2012	DXC technology Form. CSC France Paris
DEC 2015-FEB 16	Audit & Specifications of the ESB platform in charge of all traffic flows • Design & prototyping of sensitive integration modules • Specifications of the generalization of the TIBCO BW 5.13 traffic flows	SNCF Réseau Via Sopra-Stéria Paris
DEC 01-MAY 2002	Technical audit & Specifications of the international IT systems • White paper recommendations for a Swiss Internet software company • Specification of a detailed global infrastructure – 272 recommendations	ALBERT Inc Swissland
MAR-APR. 2001	Technical audit of the Global Action system of the Trading Room • In charge of the Audit team • Specifications of an international distributed architecture	Paribas London
May-June 2000	Audit of the Trading Room Products Support Team • Recommendations for global service Contracts & SLAs	Reuters France Paris