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

25-YR CORPORATE EXPERIENCE
INTEGRATION – DEV – PRODUCTION

details

- 📱 +33 6 61 83 69 81
- ✉ JJMas@AvalonIT.com
- in linkedin.com/in/jean-jacques-mas
- 🏠 Saint-Cloud (92), France
- 🏛 French nationality

role

Cloud Integration	6 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 **Technical / Solution Architect** & **Project Manager**, I offer you a triple expertise in DevOps regarding Private & Public Clouds – AWS, Azure, CaaS Kubernetes, CI/CD –, API Management and Flows & Interfaces – micro-services, SOA, BPM, ESB – including TIBCO.

Specialized in **Integration**, especially with Agile & DevOps approaches, I developed a large IT & Business vision thanks to 25 years in **International Corporates** from Paris & London: Finance, CAC40, BNP Paribas, SG, CA, AXA, Natexis, Couts & 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

ARCHITECTURES	Public & Private Cloud, AWS, Azure, IBM Cloud & Orange GDPR, Crown Jewels, N-Tier, Security-by-design
METHODOLOGIES	DEVOPS, SCRUM, SAFE, TOGAF, ITIL, CMMI, UML, SADT, Merise
CLOUD, DEVOPS	SaaS, IaaS, PaaS, CaaS, Kubernetes, Docker Datacenter 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, Grafana
BIG DATA	Hadoop, ELK / ECE, TIBCO Gigaspaces
API, SERVICES	API Management, WS02, Web Services REST & SOAP, Java, XML
ESB, EAI, MOM CEP	Kafka, RabbitMQ, IBM MQ/Series, WebMethods, BEA Tuxedo Tibco EMS, Admin & Designer
SOA, BPMS BAM	TIBCO ActiveMatrix BusinessWorks, AMX, BW 6 & 5, BPM, MDM Tibco Spotfire, iProcess
MIDDLEWARE & JAVA	IBM WebSphere, BEA WebLogic, Apache, Tomcat, Microsoft IIS Eclipse, VisuaAge 4 Java, 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 Serveur 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: MEGA, Rational Rose, AMC Designor

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

Work experience

SINCE NOV. 2021	**Cloud Technical Architect – Revamping of Group IT** ⬥ Technical Architecture in the Corporate Team dealing with IT needs of the International subsidaries 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** **Consumer Finance**

Cloud Technical Architect – Revamping of Group IT — Credit Agricole Consumer Finance

Cloud Integration Architect – Design & Framing of Cloud solutions

FEB. 21-SEP 2022

⬥ Open Shift migration projects for Crédit Agricole & BNP Paribas projects
   Open Shift, BD2, Data Gate, Cloud Pak for Data, Sécurity, 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

Cloud Integration Architect – Cloud Broker French Market

JAN. 20-JA. 2021

⬥ 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

AXA
Group Operations
Paris

Cloud & CI/CD Architect – Cloud Hybrid Group Plateform

SEP. 18-DEC. 19

⬥ 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

TIBCO BPM & BW Architect – #1 BPM Project

APR 17-SEP. 18

⬥ 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

Cloud & Middleware Architect – Global GBiS Cloud Plateform

FEB 16-MAR. 17

⬥ Participation in the Private Cloud and Public Cloud strategy in Agile mode
⬥ 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 transfer 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

Société Générale
GTS pour GBIS
Paris-La Défense

MDM & SOA-EAI-ESB Architect & Dev. Lead – Worldwide HR Project

JUNE 14-DEC. 15

⬥ 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

BNP Paribas, Paris
Via **Capgemini Finance**
Paris, Nantes
& Barcelona

- TIBCO Businessworks 5 & 6, EMS, Spotfire, RV, PGP, CFT, Oracle, Hadoop
  CornerStone OnDemand, Taleo, Unix & Windows, SCRUM, SAFE

JULY 2013-MAY 14   **BPM / ESB / TIBCO Architect & Tech. Lead & PM – #1 HR Project**   SANOFI, Paris
     Genzime, NY, USA
- Critical project to merge Human Resources flows between
  Sanofi Group & Genzime, the biotechnology leader in the USA
- Design and implementation of the exchange solution and its foundation
- TIBCO BPM, Businessworks, EMS & Spotfire, Oracle, Unix/Windows

DEC 2012-JUNE 13   **BPM - BI - EAI Architect – #1 European Regulatory Project for Bonds**   BNP Paribas IP
     Paris, Brussels
- Launching and framing of an international project for the creation/distribution   & Luxembourg
  of legal documents - Multilingual transverse business process
- 100.000 Bond KIIDs produced annually
- TIBCO BPM, Businessworks, EMS & Spotfire, ETL AB Initio, BO

AUG 2012-NOV. 12   **CRM / BPM / Big Data Architect – #1 Sophia Program**   CNAM, Paris
     Healthways
- Audit & Technical framing of the VSR & Scaling up   Nashville, USA
  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

JAN 2012-JULY 12   **SOA & BPM Architect – ESB international Plateform**   GDF SUEZ
     Paris & Brussels
- 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

FROM 2007 TO 2011   EAI / ESB / BPM / SOA / TIBCO PROJECT MANAGER, DESIGNER & ARCHITECT
BASED ON PRODUCTS   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**   EULER HERMES
     Paris
- 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

JAN 2011-JULY 11   **EAI/BPM Architect – #1 Central Swift Solution (26 Banks)**   NATIXIS
     Paris-Bercy
- 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

MAY 2010-DEC 10   **BPM / SOA Architect & Tech Lead – #1 EquiLend Stock Exchange Project**   SG SS
     SOCIETE GENERALE
- Development & integration of the exchange flows between the Trading Room   Paris-La Défense
  & the international Marketplace EquiLend in New York (81 Market Markers)
- Integration in SOA mode of REPO internal business processes
- Implementation & Tuning of the solution
- Coordination of technical resources

MAY 2009-APR. 10   **SOA Architect & Tech Lead – #1 Worldwide Trading Room Risk Project**   SG CIB
     SOCIETE GENERALE
- Development & implementation of the processes & the interfaces   Paris-La Défense
  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

JULY 2008-APR. 09   **EAI / BPM Architect & Tech lead - #1 220 Racecourses Integration Project**   PMU
     via **Capgemini**
- Overhaul of the interface processes of the Central Information System   Paris & Evry
- 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

SEP 2007-JUNE 08	**EAI/BPM PM & Architect – #1 Core Business Overhaul Project**	CREDIT AGRICOLE

- 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

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** SMA BTP
Paris & Orléans
- 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

SEP 2005-FEB. 06 **Technical Project Manager – #1 Booking Core System redesign** EURO DISNEY
Paris
- 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

JUNE 2004-AUG. 05 **Technical Project Manager & IT Architect – New Telecom 3G Projects** ORANGE FRANCE
Paris
- 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

NOV 2003-MAY 04 **EAI / BPMS Project Manager– Etude EAI / BPMS** CREDIT AGRICOLE
INDOSUEZ, Paris
- 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

JUNE 2003-NOV. 03 **Worldwide Project Manager – Trading Rooms IT Financial Charge Back** SOCIETE GENERALE
SG CIB, Paris
- 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

MAY 2002-JUNE 03 **Project Manager Deputy & Architect – EAI / BPMS Telecom Project** CEGETEL
Via ACCENTURE
Paris
- 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

JUNE 2001-MAY 02 **CRM & Intranet Project Manager - #1 CRM Project** EUROSTAR
London, Brussels
Paris
- 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

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, WEBSPHERE 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 • In charge with the Back-Office systems Administration and User Support Platform of 20 servers and 50 Unix clients	**ATOS ORIGIN**, Paris **CDC Gestion** - 2 months **JP MORGAN** - 3 mois **CARDIF** - 3 mois **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**	**DXC technology**

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