



Stéphane H. Maes, PhD
CTO and Chief Architect,
Cloud Product Unit, HP Software,
HP

Dr Stéphane H. Maes is CTO and Chief Architect for Cloud Products at HP Software. He is a worldwide recognized expert on SDP, Cloud, M2M, SOA, IT technologies and service layer for Communications, Cloud and Pervasive Computing. He has been involved in Cloud, SDP, Telephony, Voice and Multimodal and Pervasive Computing technologies and activities for more than 20 years at AT&T Bell Laboratories, IBM, Oracle, Huawei and Ericsson. He created the concept of SDP at IBM, brought Oracle to a top contender position in the SDP space. He then helped Huawei rise to the number one position in SDP and IPTV and was instrumental in Huawei strategy and entry in and designs for Cloud and its creation of Huawei's Enterprise Company. He then helped Ericsson attempt a similar transformation. He was also instrumental in Qik.com success with Operator for cloud based Mobile Video call and its acquisition by Skype and then Microsoft.

Prior to his present role, Stéphane was VP of Architecture at Ericsson CBA (Consumer and Business Applications) BMUM (Multimedia BU), CTO and Chief Architect for SDP and Consumer Services, Applications and Software, Huawei Technologies; Technical Advisor to Oracle Fusion and Fusion Middleware groups on Cloud and Grid Computing, I/P/SaaS and "on Demand" aspects; CTO and Chief Architect for Oracle Communications Global Business Unit, Business covering Oracle offerings for SDP, OSS, BSS and AIA; Chief Architect; Executive sponsor for CGBU sales / field in JAPAC; CTO for Oracle Mobile, Voice and Communications at Oracle Fusion Middleware; Chief Architect for Real Time Communications with Oracle Collaboration Suite and Chief Architect for Oracle Mobile and member of Oracle Corporate Architecture Review Board. At Oracle, he has been in charge of inbound architecture, outbound activities (industry evangelization, sales support and standards) and technical strategy for a variety of product covering OSS, BSS, SDP (Service Delivery platform) and end to end OSS/BSS/SDP targeting Telecommunications service provider and as well as communications and collaboration product for the enterprise and ISP markets.

Highlights at Huawei included a modern IT/SOA SDP, Huawei multinational SDP unique offering of Huawei (that helped Huawei become number one in SDP), the vision for SDP and the cloud, the Digital Super Market (DSM) – a cloud based / hosted SDP and application store for operator and the port of IPTV (that helped Huawei become number one in IPTV), RCS and NGIN to SDP as well as a push for reorganization, new product, practices, strategy and focus towards Cloud Enterprise and Internet Service provider that resulted into Huawei wide 2011 re-organization.

Highlights at Oracle include being the father of Oracle SDP approaches and initiative, the invention and initial design of Oracle AIA, the design and strategies of Oracle Pragmatic IMS and Oracle NGIN and more recently Oracle Converged Billing strategy.

At IBM, Stéphane contributed to many industry disruptions with his work on biometrics, (embedded) speech recognition and dialog management, multi-channel and multi-modal interactions with key contributions like the invention of the speech browser and VoiceXML, device independent and multimodal authoring and XForms that also led to the basis of portals and portlet interactions. He architected and designed the strategy for IBM WebSphere Voice and Telephony servers and for IBM SPDE, the first IT/SOA based Service Delivery Platform.

Over the years, being also in charge of all the Communications related standard activities throughout IBM, Oracle, Huawei and Ericsson BMUM, Stéphane has been also involved and has influenced many related standard activities

for example OMA, Parlay, IETF, TMF, OASIS, W3C, JCP, 3GPP, WAC etc focusing on service layer aspects and evangelization of IT techniques and designs in Communications. Some highlights include SpeechML that became VoiceXML; iML that became XForms, Multimodal browsing, DI and Portlets; the essence of OSA/Parlay requirements, OSE (SOA/IT blueprint for SP service layer adopted by most of Telco industry); key aspects of TMF SDF; key aspects of JSR 289 (SIP servlets), P-IMAP that became Lemonade profile-bis and its associated RFCs (Evolution of IMAP4 and SMTP for a standard based mobile/push email), DSR (distributed speech recognition at ETSI and IETF).

Dr. Maes is technical advisor and co-founder of several start-ups (e.g. Qik.com now Skype). He has authored numerous papers and frequently speaks at scientific conferences and industry events. He holds more than 200 patents and patent applications in process, several having received divisional and corporate awards and industry recognition including a MIT ranking among the top 10 most influential software IT inventions. His work has been recognized by the World technology network as laureate for individual software contributions (IBM) and corporate software contributions (Oracle). He serves or served on several companies', customers' and standard organizations' boards of director or board of advisors. He holds Ph.D., MS and BS degrees in EE and Physics as well as an IBM Research Technical MBA and an ISU degree in Space Studies.

LinkedIn Profile: <http://www.linkedin.com/in/shmaes>