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Career Objectives, Interests and skills are:

- **Roles:** CTO, (S)VP (Strategy, R&D, Innovation, Engineering, etc.) or learning to drive as GM. Alternatively Board Member (of Advisors or Directors).
- **Interested in:** Research, Innovation, Fixing existing portfolio with a winning innovative and disruptive strategy built on what exists (i.e. technical turn-around expert), new products or markets, Taking over the world!
- **A unique Combination of expertise:** Software development, (Quantum) Physics, EE, Software Architecture, AI, Conversational, Multimodal, Cloud, Cloud Native, IT, Internet, Mobile, IoT, Telecoms, Networks, Middleware, Developer tools, ITOM, Dev-Sec-Ops. Leading (all size) international technical teams (PhDs, Architects, Developers / R&D) and development/engineering projects (in-house and off shores or outsourced).

Experience (Current) - Highlights

CTO and CPO (SVP Level)

IFS

Aug 2021 – Ongoing (USA, UK)

- 08/2021 – Ongoing (USA, UK)
 - CTO and CPO for ESM - ITSM – ITAM - ITOM
 - Product owner, Head of PM, R&D, Architecture and Strategy for Assyst portfolio / IFS Service Management (i.e. product management, development/execution, planning short term tactics, long term strategies and vision).
 - IFS Assyst and ITOM Modernization (UX/UI, New Features, re-Architecture for Technical Debt, new features, and cloud native convergence with IFS cloud), Transformation of portfolio, Architecture and Integration with IFS platform and capabilities: IFS Cloud (e.g. CRM, ERP, Enterprise applications). IFS Assyst, including ITOM, started as next generation of the Axios System portfolio, post acquisition of Axios Systems by IFS.
 - Turned around portfolio, built up R&D team and portfolio and pushed IFS assyst to become a leading product in the ESM, ITSM, ITOM market and in analysts ratings.
 - Member of IFS SLT (Senior Leadership Team) – IFS R&D SVPs
 - All IFS R&D and PM, processes, plans and operations
 - ESM and IFS Cloud convergence and transformation (e.g. ESM impact on transformation of EPR, CRM, FSM, EAM): driving the disruption with the only company to have all the pieces (ESM, ERP, CRM, EAM,...).
 - Direction and vision: ESM as front-end and orchestrator of Enterprise and Industry Applications, and, with AI and smartness, ESM as enabler of the “Autonomous Enterprise”.

Board (of Advisors), Acting CTO, (Co-)Founder

Various: FactWise, Spoton, Stealth (Serverless)

2017 – Ongoing (California)

- Played different roles in different start-ups: Advisor on Strategy (technology and business), Acting CTO, Review Business Plan, Acting VP Engineering, Driver of IP/Patents, Input on Product / Offerings.

For more details, including endorsements and recommendations, see <https://www.linkedin.com/in/shmaes>. Latest material derived can also be found at <http://www.stephanemaes.com/smaes/> (detailed resume, short resume, examples of Technical CTO accomplishments, Bio)

- Acting Co-Founder (Spoton, Stealth).

Experience (Past) - Highlights

CTO ITOM, Cloud Automation and Management & ITSM

HP Software (2012) then HPE Software (2015), then Micro Focus (2017)

04/2012-08/2021 (Cupertino then Sunnyvale, CA, then Santa Clara, CA)

- Role: R&D (30% as Chief Architect) as well as (30%) with the field, customers and Industry activities to then contribute technical strategies (30%) and disruptive innovations brought to market (10% AdTech/Research).
- Main Achievements: With CTO team, delivered strategy and architecture for modernized and Transformed Portfolio (50 legacy products to 5 suites, cloud native (on-premise, cloud, SaaS, MSP) and turned around its competitiveness. Evolved suites architecture and features to be deployed on clouds (AWS, Azure, ...), Managed K8S (OpenShift, CNCF K8S, AKS, EKS, GKS, ...) and SaaS (Multi-tenant option designs, IDM evolution, SaaS vs. MSP use cases, data streaming to SaaS). Designed and drove ITOM beyond AIOps: AI4IT (Autonomous IT, No Ops or low touch IT/Ops) across ITOM Service Assurance and ITSM/ESM). Planned for SMAX / HCMX ESM to better compete against Service Now and convert SM accounts to SMAX. Contributed key principles to IT4IT (Open Group). Many corresponding patents. Put together strategy and plans for ITOM in 5G and IoT and Edge, as well as fomented the coming disruption by ESM, ITOM, and AI4IT, of CRM/ERP (in Enterprises), and OSS/BSS (in Telcos). Turned around numerous key complex customer accounts. Led relevant R&D/engineering project delivery.
- Achieved Adoption of Portfolio Transformation and execution: Common Data Model, Common UI, Integration, Suites, Micro-Services, Containers, Cloud Native; Concepts of IT4IT and standardization for IT in analogy to SID/eTOM at TMF
- Started from CTO Cloud & Automation, then added Responsibility of Service Brokering, then ITSM and finally whole ITOM.
- HP Software wide Architecture Review Board, and Patent Review board.
- HP Wide Cloud Strategy (for HP/HPE Software), including OpenStack.

CTO / VP Architecture

Oracle, Huawei, Ericsson

09/2002 – 03/2012 (Redwood Shores, CA; Santa Clara CA & Shenzhen, PRC; San Jose & Kista, Sweden)

- Chief Architect (Sr. Dir) Oracle Mobile then Chief Architect Oracle Collaboration Suite Mobile & Voice (09/02-06/06); CTO Oracle Fusion Middleware (06/06-09/08); CTO Oracle Communications Global Business Unit (09/08-09/09); CTO Huawei Software Applications and Services and VP strategy FutureWei (09/09-4/11); VP Architecture Ericsson BMUM (4/11-3/12).
- Key Achievements: Standardized Mobile e-Mail (to force the hand of BlackBerry, first companies to adopt were Google, Apple (and MS in ActiveSync) thereby changing the market on Blackberry with iOS and Android; Designed AIA (Application Integration Architecture) and Closed Biggest ever Oracle deal (USD 10B/10years); Created Mobile, Voice and Communications BU and Strategy/Offering and made Oracle #1 IT vendor in SDP (Service Delivery Platform); Acquisitions / Due Diligence: Net4Call, HotSIP, BEA, Convergin, Acme; Huawei Global SDP; Made Huawei #1 in SDP and IPTV; Huawei IoT Strategy; Father of NFV concept proposed to ETSI; Proposed Huawei Enterprise (~ 10B\$ revenue by 2012); First NFV implementation of IMS (Ericsson); Help Ericsson turn around and keep #2 position in SDP.

Board (of Advisors), Acting CTO, (Co-)Founder

Various: Peritus.ai, BidCRM, VNC, Composure.ai/MosaixSoft, Actarin/Lantana, Artitelly, CloudFuze, Wr:st, Kaqquru, Qik.com/Skype

06/2006-08/2018 California

- Played different roles in different start-ups: Advisor on Strategy (technology and business), Acting CTO, Review Business Plan, Acting VP Engineering, Driver of IP/Patents, Input on Product / Offerings. Head of Engineering.

- Acting Co-Founder (Actarin/Lantana,Wr:st,Kaqquru).
- Biggest Achievement: Qik strategy and architecture as video chat to justify 4G (HSDPA) with operators. Acquired by Skype which was then acquired by Microsoft.

Research Staff member Manager & Chief Architect

IBM (T.J Watson Research Center) and Pervasive Computing Division (PvC), IBM Software
07/1995 – 09/2002 (Hawthorne/Yorktown Heights/Somers, NY)

- Research in AI, (Large Vocabulary) Speech and Speaker Recognition, Conversational Systems, Speech, Multi-modal, NL browsers.
- Created SpeechML that became standardized as VoiceXML and made IBM abandon AIX DT6 and bet on IBM WebSphere Voice and Telephony Server, a design adopted by all IVR today. Created VoiceXML market
- On loan to IBM Software Division (Pervasive Computing) and created SPDE; first SDP today used by all Service Providers and anticipating PaaS, API Gateways, Service meshes, Micro Services, etc. Created the SDP market.
- Key Patents, Today licensed by most major Speech / Conversational companies (Nuance, Siri, Alexa, Google Assistant, etc).

MTS

AT&T Bell Labs

09/1994 – 06/1995 (Murray Hill, NJ)

- Robust Acoustic Processing and Speech Recognition

Various - Academic Roles

UC Louvain, CERN, ESA, ISU, GEI

Representative & Company Coordinator at Standard & Industry activities

- CNCF, OpenStack
- IEEE, OCF, Open Group
- OMA (Chair several WGs), ATIS, TMF, ETSI, 3GPP, JCP, W3C, IETF, OASIS (Chair several WGs), OSGi, Parlay, WAP Forum
- Member of the Board of Directors of OMA (03/2005-10/2009)

Education - Highlights

IBM Research MBA (IBM with NYU/Columbia)

2000-2001 (Offered by IBM at Yorktown Heights, NY)

ISU MS (Summer Program) Space Studies

1991 (Toulouse, France)

(BS, MS) PhD Physics and EE + Various DEAs (~ MS)

09/1985 – 06/1994 (UC Louvain, Belgium)

More Details and References

- <http://www.stephamaes.com/smaes/> for detailed CV, Bio and Achievements
- See LinkedIn ([linkedin.com/in/shmaes](https://www.linkedin.com/in/shmaes)) for latest and recommendations/endorsements
- More than 275 Patents.
- Numerous papers and talks