Sigurd Göran Lennart Formiga Johnsson

CV

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Home Page   LinkedIn

SUMMARY

Strategic technology leader with 29 years in Telecom and IT, blending deep technical expertise with business acumen. Currently driving O-RAN test equipment development as Product Owner, System Architect, and Security Master. Proven experience leading global RAN projects and delivering large-scale solutions. Committed to continuous learning in AI, Data Science, and IoT. Fluent in English, Portuguese, Swedish, and French. Open to leadership or consulting roles in Brazil.

EXPERIENCE

Consultant – AFRY   **2021 - Present**
Stockholm – Sweden
- Acting as Product Owner and System Architect, driving the end-to-end development of test equipment for O-RAN and traditional RAN technologies
- Member of the leadership team responsible for strategic planning and execution within the Test Equipment Development unit
- Leading the Security Master team as Principal Security Master, ensuring secure 3rd-party software integration in line with internal and external compliance standards
- Managing a team of System Architects to ensure coordinated, scalable, and efficient software architecture for global test equipment initiatives

Senior Transport & Transmission Solution Architect – Ericsson   **2004 - 2020**
Rio de Janeiro – Brazil
- Led design and execution of trials, demos, and PoCs for 2G–5G Radio Access Networks
- Oversaw feature and performance testing for Elastic RAN, synchronization, and QoS across RBS, routers, transmission systems, and OSS platforms
- Delivered technical workshops, webinars, and strategy presentations for internal teams, partners, and global customers
- Designed, negotiated, and supported end-to-end RAN and transport solutions, including high-profile deployments for the 2014 World Cup and 2016 Olympic Games. Closed a $ 20 M+ transmission network deal
- Developed custom design tools that reduced failure rates and cut team effort by 90%
- Spearheaded automation in transport design, reducing design costs by 75%, and led the team that built Ericsson's first successful Zero Touch implementation, cutting RBS rollout time by 50%

Senior Transmission Engineer – Ericsson   **2001 - 2003**
Rio de Janeiro – Brazil
- Transmission Presales Consultant and Coordinator for the Transmission Design group of 10 people.

Network Design Manager – Ericsson   **2000 – 2001**
Rio de Janeiro - Brazil
- Design Manager for a Transmission Design group of 10 people.

Senior Network Consultant – Ericsson   **1998 – 2000**
Rio de Janeiro - Brazil
- Consultant, Team Leader and Coordinator for Transmission O&M and Operation Managed Services.

Technical Support Specialist – Ericsson   **1996 – 1998**
Stockholm – Sweden
- Global GSM system support Specialist and Acting Manager for Global Support during vacations.

EDUCATION

DEA - Diploma of Advanced Studies in Biological & Medical Engineering   1994 −1995

Université Paris-Est Créteil (UPEC), Créteil - France
Image Bioengineering, Image & Signal Processing

MSc - Master's Degree Electrical Engineering   1988 − 1992

LTH - The Faculty of Engineering, Lund University - Sweden
Master of Science in Electrical Engineering

COURSES

Online Studies, >1000 hours   2020-2021

Coursera - Online

• IBM Cloud, AI & Data Science	Professional Certificates (537 hours)
• Google Cloud & Data Science	Professional Certificates (246 hours)
• UCI University of California IoT	Specialisation (65 hours)
• DeepLearning.AI TensorFlow Developer	Professional Certificate (83 hours)
• Mathematics for Machine Learning	Specialisation (53 hours)
• Amazon Web Services	Specialisation (44 hours)

Internal Ericsson Courses, >2500 hours (~120 hours/year)   1996-2020

Ericsson – Sweden – Brazil - Online

- Radio Access Networks, Transmission, Transport, IP, Synchronisation, DCN for 2G to 5G.
- Data Science (Python, R, SQL, Tableau)

SKILLS

Expert		
	• Radio Access Networks:	2G, 3G, 4G/LTE, 5G/NR, DSS, E-RAN, MIMO, 3GPP, eCPRI
	• Transport Network:	ATM, TCP/IP, QoS, Timing, Synchronization, Routers
	• Transmission Networks:	PDH, SDH, ATM, Microwave, Fiberoptics, GNSS, WDM

Proficient		
	• Operating Systems:	MacOS, Windows, Linux, Unix
	• Project Methods:	Jira, CD/CI, Lean, Agile, Sprint, Kanban, Scrum, Trello
	• Artificial Intelligence	Analytics, Data Science, LLM, ML, CNN, DNN, RNN

Novice		
	• Cloud Systems:	IBM Cloud, Google Cloud, Azure, AWS
	• Artificial Intelligence	Data Engineering, SaaS, PaaS, IaaS
	• IoT Systems:	SoC, FPGA, Arduino, Raspberry PI, Kubernetes, Docker
	• Web Design:	HTML, CSS3, JavaScript, Bootstrap

LANGUAGES

- Swedish: *****
- English: ****
- Portuguese: ****
- French: ***

PROGRAMMING LANGUAGES

- Python: ***
- C++:   **
- R: *
- SQL: *