



Sigurd Göran Lennart Formiga Johansson

CV

goran_formiga@icloud.com / mobile: +46 70 240 08 58 / Stockholm

<https://www.formigajohansson.com>

<https://www.linkedin.com/in/goranformiga>

SUMMARY

An accomplished professional in the fields of Information Technology and Services industry for 25 years. In-depth experience as Senior Transport & Transmission Solution Architect in different positions as Manager, Consultant, Coordinator, Team-leader and Designer of local and remote teams in multiple countries.

Ongoing intense education on Artificial Intelligence, Data Science, Cloud, and Internet of Things, advancing from the previous Data Analytics experience as a Solution Architect. Currently aiming for a job position in the areas of Telecommunications, Data analytics, and the Internet of Things.

EXPERIENCE

Senior Transport & Transmission Solution Architect – Ericsson **Jan 2004 – Jun 2020**

Rio de Janeiro – Brazil

- Acted in several Leadership positions and coordination of Transport & Transmission Design & Service Delivery teams from 5 to 60 people from Brazil, Mexico and India;
- Responsible for the design of Trials, Demos and Proof-of-Concept for 2G-5G Radio Access Networks.
- Conducted testing for features and functions such as Elastic RAN, Synchronization, QoS for different network elements such as RBS, Transmission Equipment, Routers and OSS systems;
- Gave several internal, external and customer workshops, webinars, strategy seminars and other presentations for Radio Access Network solutions of different communication technologies;
- Created negotiated and sold solutions for 2G to 5G Radio Access Network, Transport and Transmission Networks and events like World Cup 2014, Olympic Games 2016. The biggest sale was transmission network of 20 million US\$;
- Developed Design Tools for Transport & Transmission Solutions in Web applications and SQL Environments which reduced the design failure rate and reduced the team effort by 90%;
- Invented new Design and Implementation automation processes for Transport Design that led to design cost reduction of 75%, and was head of an innovation group that created the first successful Ericsson Zero Touch routine that reduced the RBS implementation time by 50%.

Senior Transmission Engineer – Ericsson **Apr 2001 - Dec 2003**

Rio de Janeiro – Brazil

- Transmission Presales Consultant and Coordinator for Transmission Design group of 10 people.

Network Design Manager – Ericsson **Sep 2000 – Mar 2001**

Rio de Janeiro - Brazil

- Design Manager for a Transmission Design group of 10 people.

Senior Network Consultant – Ericsson **Sep 1998 – Aug 2000**

Rio de Janeiro - Brazil

- Consultant, Team Leader and Coordinator for Transmission O&M and Operation Managed Services.

Technical Support Specialist – Ericsson **Jan 1996 – Sep 1998**

Stockholm – Sweden

- Global GSM system support Specialist and Acting Manager for Global Support during vacations.



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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 | Specialization (65 hours) |
| • DeepLearning.AI TensorFlow Developer | Professional Certificate (83 hours) |
| • Mathematics for Machine Learning | Specialization (53 hours) |
| • Amazon Web Services | Specialization (44 hours) |

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

Ericsson – Sweden – Brazil - Online

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

SKILLS

- | | |
|------------|---|
| Expert | <ul style="list-style-type: none"> • Radio Access Networks: 2G, 3G, 4G/LTE, 5G/NR, DSS, E-RAN, MIMO. 3GPP • Transport Network: ATM, TCP/IP, QoS, Timing, Synchronization, Routers • Transmission Networks: PDH, SDH, ATM, Microwave, Fiberoptics, GNSS |
| Proficient | <ul style="list-style-type: none"> • Operating Systems: MacOS, Windows, Linux, Unix • Project Methods: CD/CI, Lean, Agile, Sprint, Kanban, Scrum, Trello • Artificial Intelligence: Analytics, Data Science, ML, CNN, DNN, RNN |
| Novice | <ul style="list-style-type: none"> • 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: **