Abdelkader OUKACI

Technical manager
Project manager
Business developer
Radio networks expert

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📍 Paris, FRANCE

Professional summary

With over 15 years of experience in versatile telecommunication skills, I possess extensive knowledge in 3GPP standards, mobile network monitoring and optimization (2G to 5G). Additionally, I have significant expertise in mobile phone testing, IoT/4G/5G/TETRA features, hardware and firmware performance, voice and data QoS/QoE. Furthermore, I have a strong background in team management and project leadership, ensuring successful project execution and team performance with a proven track record of successfully directing large-scale development projects. Prior to my industry career, I gained valuable experience as an associate professor at a renowned engineering school in Paris, where I focused on teaching and mentoring students, enriching their learning experience with both theoretical knowledge and practical insights from the field of telecommunications.

Skills

- Communication and collaboration
- Leadership and empathy
- Problem solving abilities and deep Analysis
- Business development
- Commercial and negotiation skills

Languages

- English: fluent
- French: native speaker
- Arabic/berber: native speaker

Hobbies

- Travelling
- New technologies
- Metal music

Work experience

2018 – Nov 2024 **Keysight Technologies – Nemo wireless solution**
Operation and support manager

- Manager of application and customer support engineers team (Nemo-EMEA)
- Pre-post sales and business development for Nemo drive test solutions: Involvement during various phases of the sales process (customer requirements analysis, tools demonstrations, use case testing, deliver technical expertise for NEMO solutions, troubleshoot problems, deliver trainings...)
- Provide technical expertise: 3gpp technologies (GSM to 5G, TETRA, Open RAN, 5G private networks, MCPTT, QOS/SOE…)

2016 – 2018 **Bouygues Telecom**
Project manager /team leader, technical expert

- Manage the technical / contractual scope of the project and functionally lead the engineer team
- Managed services and activity transfer to Nokia/Alcatel MS Romania :
  - Radio network optimization and performance **expert** (Huawei and E//)
  - QoS/QoE kpi edition / monitoring /alerting

2015 – 2016 **Davidson for Bouygues Telecom**
Senior radio network technical / project manager

- LTE/UMTS/GSM radio network optimization and troubleshooting expert
- Setting up a monitoring and alerting system (VoLTE, CSFB), QOS/QOE
- E2E VIP complaint troubleshooting NR/LTE/UMTS/GSM (radio, Astellia probes)
- Wrote and delivered training sessions

2012 – 2015 **Davidson consulting**
Radio network engineer

- Metro ratp project:
  - 2G/3G radio sites swap to multiband antennas 4G ready.
  - Radio network monitoring and troubleshooting
  - Drive test analysis (Tems, Nemo)
- National GSM/UMTS sites swap to Huawei :
  - BTS radio Kpi modeling and conversion (Alcatel/Kapsh to Huawei)
  - Troubleshooting/alerting and monitoring radio Kpi's
  - Support field technicians.

2010 – 2012 **ESIEE Engineering Paris**
Professor researcher (associate professor)

- Teaching topics: signal processing, digital communications applied mathematics.
- Research topics: Signal and array processing, detection and estimation, Beamforming, MIMO, source separation…

2007 – 2010 **Telecom Sud Paris & THALES communications**
PhD. Research project

- Signal and array processing, Beamforming - Multiuser MIMO
- Study of exploiting non circularity property in Beamforming

Education

2010: **Ph.D Signal processing / Telecom**   Telecom Sud Paris & Paris VI Univ
2006: **Master II Digital communications/signal**   TelecomParis & Paris V Univ
2005: **Engineer degree: Electronics**   Polytechnic school of Algiers

Technical knowledge

- Project management PMP certification
- Team leader and management
- Product development (software and hardware)
- Business development and pre-post-sales experience.
- Solid knowledge of RF technologies, QOS and QOE
- Mobile Network expertise: optimization/troubleshooting (2G - 5G)
- Familiarity with 3GPP-specifications; RAN, ORAN, IoT, PMR and TETRA and solid experience radio mobile measurement tools
- Cybersecurity fundamentals