Maciej Rosłaniec

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Engineering Manager & R&D Project Manager | LTE/5G Protocols | Device Certification (GCF/PTCRB)

Summary

Engineering manager with 7+ years in mobile networks. I lead a team of 12 engineers at Samsung R&D Poland that resolves thousands of LTE/5G device issues a year, from RRC and NAS traces to GCF and PTCRB certification, and I report project progress to HQ in Korea. Before Samsung, I spent three years in Orange's network operations centre handling core, IMS and service platform incidents 24/7.

Experience

R&D Project Manager | Protocol Engineer, Network Troubleshooting Team

Samsung Electronics Poland, Warsaw | Sep 2025 - present

- Line manager of 12 engineers: hiring, onboarding, performance reviews and day-to-day priorities.
- Run projects for GCF/PTCRB certification, the compliance matrix and mobile device testing.
- Agreed project scope, goals and expectations for the team with HQ in Korea on site; report progress to HQ.
- Coordinate issue resolution with modem teams, mobile operators and chipset vendors.
- Support engineers with protocol analysis of complex cases.
- The team resolves thousands of issues per year.
- Trained 50+ testers in the basics of network protocol analysis.

Protocol Engineer

Samsung Electronics Poland, Warsaw | Oct 2022 - Sep 2025

- Analysed modem logs (GSM/UMTS/LTE/5G, L1-L3 and upper layers) to find root causes of call failures, CSFB issues, throughput problems and CI/CD test failures.
- Handled pre-certification and GCF/PTCRB/compliance matrix issues down to the code; prepared C/C++ fixes, using AI coding tools for the more complex ones.
- Solved UE protocol issues with baseband vendors (Qualcomm, Intel) and on Samsung's Shannon modem.
- Investigated IP and IMS voice issues: VoLTE, VoNR, VoWiFi.
- Wrote technical reports based on modem log analysis and 3GPP specifications.
- Worked on site with Google in San Jose, USA, on maintenance; supported a project in India.

Senior Specialist, Mobile Network and Service Platforms Monitoring (GNOC)

Orange Polska, Warsaw | Oct 2019 - Oct 2022

- Monitored the core network, IMS and service platforms 24/7 in 12-hour day and night shifts, including holidays.
- Ran conference bridges with domain specialists to restore service during network incidents; escalated per incident process (ITIL).
- Tracked and visualised network data in Kibana and monitoring systems.

Let's Orange Ambassador

Orange Polska | Nov 2019 - Jun 2020

- Promoted Orange as an employer, including in marketing materials and at external events.

Let's Orange Intern

Orange Polska | Jul 2019 - Sep 2019

Additional experience

Owner and Operator, fitness club
Warsaw, alongside full-time work | May 2023 - Apr 2026

- Ran the business end to end: plans and growth, costs, payroll, procurement, renovations and processes.
- Hired and managed up to 15 staff (reception, trainers, cleaning) and built their schedules.
- Covered any role when needed, including customer service and the website.

Skills

Protocols and standards: LTE, 5G NR (SA/NSA, EN-DC), GSM/UMTS, RRC, NAS, L1-L3 (PHY, MAC, RLC, PDCP), IMS/SIP, VoLTE, VoNR, VoWiFi, CSFB, mobility, carrier aggregation, TCP/IP, IPv6, PDU/PDN sessions, 3GPP specifications

Testing and certification: GCF, PTCRB, Compliance matrix, Operator IOT, network simulators, pre-certification testing

Tools: Wireshark, Kibana, JIRA, Confluence, PLM, Git, SQL (issue database reports), advanced Excel, Python (AI-assisted scripting), C/C++ (bug fixes)

AI tools: Claude Code, OpenCode, Codex, ChatGPT, Gemini

Management: people management, hiring and onboarding, performance reviews, project management, stakeholder reporting, training, ITIL incident management

Projects

ValueMeter
Founder | Sep 2026 - present | www.valuemeter.pl

- Built alone from idea to a paid product: tells private buyers whether a buy-to-let flat pays off, and up to what price.
- Uses NBP data and transaction prices from the Polish Register of Real Estate Prices; free analysis, paid Pro plan.
- Next.js, TypeScript, Supabase, Stripe, Vercel; built with Claude Code and OpenCode/Codex.

Education

- **Warsaw University of Technology**, MSc, Telecommunications, 2022
- **Warsaw University of Technology**, BEng, Telecommunications Engineering, 2016 - 2020

Languages

- **Polish**, native
- **English**, professional working proficiency