SUMIT SOOD

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Work Permit: **EU Blue Card** valid till **2027**

Profile Overview

Work experience – 15 years
Domain – Radio Access Network- 2G, 3G, 4G, 5G NR, 5G Private Networks

Technical experience

- LTE/NR, NB-IoT, LTE-M, NSA/SA call flow scenarios and Protocol testing on Network Simulators.
- 3gpp RAN protocol specifications - PHY, MAC, RLC, PDCP, RRC, SDAP layers.
- RAN- 4G/5G, Network Architecture, Call flows and procedures, mMIMO, Beamforming, Carrier aggregation
- Cloud RAN and Open RAN architecture- CU/DU/RU, HLS/LLS, Split-2, 7-2x, E1/F1 interface, fronthaul, backhaul, CPRI, eCPRI, RIC.
- EP5G, Network controllers, Kubernetes, Linux, Google Cloud Platform, cENM, NMP and 5G Core.
- Ericsson RAN Products- BSC/RNC, RBS, Baseband, RRU, IRU, Radio DOT, antenna and small cells.
- Linux and Kubernetes concepts.
- Device testing, Network testing, Automation, Bug reproduction, CI/CD.

Certifications

➢ Ericsson Certified 5G RAN Services Associate (ECP-403)
➢ Ericsson Certified RAN Associate and IP Associate.
➢ Anritsu RTD- White Belt, Green Belt and Black Belt Certifications.
➢ Anritsu 5G simulator MT8000 White belt certification.

Work Experience

Tech Mahindra GmbH – Senior Device Test Engineer   **May 2024 to present**

- Working with Apple – Field Design Engineering Team on Device Testing based in Munich.
- Automate test scripts, running predefined TC on DUT/CDUT under various conditions and locations.
- Analyze logs and verify the call scenario in traces- VoLTE, VoWiFi, Emergency, NR-NSA/SA.
- Identify issues in the traces and reproduce bugs in live scenario.
- Troubleshoot basic issues related to testing, call flow using QCAT/QXDM, XCAL, Wireshark, Radcom.

Anritsu GmbH : Protocol Support engineer   **Oct 2023 to Mar 2024**

- RTD- MD8430 and MT8000 – test case Simulation for LTE, NB-IoT and 5G NSA/SA use cases.
- Reproducing test cases in lab setup using manual and automated test scripts.
- Regression testing, ticket handling, Fault debugging, analyzing L3/L2/L1 logs and UE logs.
- Co-ordinating internally with various stakeholders- Customer, Design, Product and account sales teams.
- Updating customers about the progress of ongoing cases in weekly meetings.
- Tools & Platforms:
  - Protocol Analyzer, MMT, QXDM, QCAT, Salesforce, JIRA

Ericsson GmbH: Dedicated Networks - Support Engineer   **Jan 2023 to Sep 2023**

- EP5G network architecture, deployment of EP5G sites, maintenance, debugging and support.
- Handling trouble tickets for various hardware and software issues, ensuring end to end support within timeline.
- Feature Implementation, Software upgrade/update, license handling, node management and administration.
- ATP testing for customer nodes- Handover to Support Process.
- Lab testing for Alerts, features, functionality, redundancy and regression.
- Create technical presentation and advice to customer.
- Tools and Platforms:
    - Zendesk, Opsgenie, Confluence, NMP, cENM, swagger, Prometheus, Thanos, Grafana, GCP
    - Linux, Kubernetes, MS Excel, Slack, JIRA

Ericsson Global India, Gurgaon   **Sep 2009 to Jan 2023**

Team Lead – Tier-1 RAN Support
- First point of contact for various issues raised by customer.
- Preparing KPI reports, team utilization data, attending customer meetings and escalation management.
- Taking feedback from management and follow up to overcome the challenges.
- Drive daily SCRUM / collaboration meeting with Global Support/ R&D, discussion of stuck cases and way forward.
- Organizing Kanban, knowledge transfer, documentation and information sharing.
- Providing service excellence by addressing customer queries and ensuring customer satisfaction.

Global Customer Support, Specialist – RAN
- Handling CSRs, troubleshoot issues and suggest corrective actions within defined SLA.
- Analysis of logs and traces for various 2G, 4G, 5G issues- L2/L3 traces for LTE and NR, UE log analysis.
- Root Cause Analysis report for network degradation, KPI fluctuation and failures.
- Project activities including Integration of enodeb, BSC, RNC using HLD/LLD and Solution documents and scripts, Node migration, rehoming, HW/SW capacity expansions.
- Feature integration, validation and roll-out.
- Planning and Implementing Software Corrections, configuration changes and network optimization activities.
- Close interworking with Customer, Project teams, Operations Team and Global Support (PDU/PLM).
- Proactive services and audits of nodes, preventing repetitive issues.
- Creating Metis solution and Knowledge sharing articles.
- Tools used :-
    - DCR, Logtool, LTNG, TTK, Spectrum Analyzer, Wireshark, SecureCRT, Winfiol, Moshell, TEMS, QXDM, QCAT, EASYAXE, ENM, Excel

CNS Engineer
- Network activities including – parameters, features, configuration changes, software corrections loading.
- KPI measurements – Handovers, Call Success rates, Throughput, Latency etc.
- Recommending improvements in tools and process inside customer operations.
- Coordinating with Global Support teams for quick and efficient resolution.

Trainings Attended
- ➤ Mpirical: 5G Air Interface and VOLTE system engineering
- ➤ Mpirical: Deploying Open RAN for 5G
- ➤ 5G RAN Protocols & Procedures, Massive MIMO, ESS
- ➤ Ericsson Radio System Overview, 5G NR System Techniques, LTE Protocols and Procedures
- ➤ Kubernetes and Cloud concepts

Accreditations Earned

- ➢ 5G RAN Design - Fundamental Level
- ➢ 5G Initial Tuning and Optimization Fundamental Assessment
- ➢ Basic Lab safety certification, Health and Radio frequency exposure as per European standards.

Highest Education:	B.Tech. ECE- 2009 from **National Institute of Technology, Hamirpur**. CGPA- 8.63
Language:	Fluency in English, learning Deutsch A1 achieved.
Strengths:	Strong troubleshooting, Customer handling, Planning and Consultative skills
Nationality:	Indian
Date of birth:	17.02.1987