Core Wireless Development - Domain Expert - Staff/ Principal Engineer

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Company: Tejas Networks

Location: Bengaluru

Category: computer-and-mathematical

About Tejas Networks

Tejas Networks is an R&D-driven organization focused on being at the forefront of technological advancements in the field of telecommunications. With an R&D team comprising of more than 50% of the organization strength, we have continued to invest in the development of new product capabilities. Our products include carrier-grade optical transmission (based on DWDM/PTN/OTN technologies), fiber broadband (based on GPON/NG-PON), broadband wireless (based on LTE 4G/5G) as well as multi-gigabit Ethernet/IP switching and routing products that are fully designed and manufactured in India…a true pioneer of "Make in India" initiative.

Tejas is one of the leading innovators in India's ICT sector with over 440+ patents and a large repository of 330+ semiconductor IPs. Tejas is actively contributing to global 5G standards through its work in India's telecom standards organization (TSDSI). All this has been done with an energetic & dedicated team of engineers, for whom no problem is unsolvable.

Experience: 10+ yrs experience

About Wireless Technology Team:

Tejas wireless team has developed high-capacity LTE macro eNodeB, 5G NR gNodeB along with Radio Units as part of end-to-end integrated solution to their customers. Our systems are already deployed in customer's commercial network and engineers are working on to enhance the capacity and improve system level performance.

Tejas Networks has invested in Wireless product development since 2012 with a vision to create globally deployable telecom RAN solutions. Several of the key components developed by the Wireless R&D team have been installed and commissioned across three continents. We are an active partner for 5G in the Indian Ecosystem and have significantly contributed to India's standardization efforts in 3GPP, through TSDSI. The wireless team has over 100 patents. As part of the wireless team, you will work on developing products for next generation wireless systems.

Roles & Responsibilities:

As a technical expert, you will contribute in product development and delivery including planning, requirement analysis, design, implementation, validation, verification and field testing.

Analyse and prioritize various features for different sub-systems to get a synchronized system delivery in a phased manner.

Closely work with other teams and partners to carry out system integration and user acceptance testing.

Focus to continuously improve system performance with quality deliverables.

Skills Required:

Have architected EPC/5G Core and hands-on

Should be an expert in one or more of following areas

Cloud native technologies – Kubernetes, load balancing

5G Network functions – AMF, SMF, PCF, CHF, NEF etc

EPC functions – MME, PGW, SGW, CUPS

4G/5G handovers – N26

Lawful interception

Should have worked on User plane technologies

DPDK/VPP based forwarding

Intel DDP and Smart NIC's

QoS, Charging and DPI etc

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