

ROLE PROFILE

Job Title: Physical Layer Software Engineer	Reporting To: Development Manager
Functional Area: Engineering	Location: Pune, India
Job Précis: Physical Layer Software Engineer is responsible for the overall design, development and maintenance of the physical software for a range of small cell products covering LTE (DSP).	
Accountabilities: <ul style="list-style-type: none"> • Design, develop and maintain various applications and device drivers on embedded Linux. • Design, develop and maintain various automated test applications on Linux. • Perform unit and module level integration testing. • Review requirements and produce design documentation. • Work as a member of a scrum team using Agile practices. • Provide support to other engineers, especially in own areas of expertise. • As required, provide technical input into meetings with customers, partners and suppliers. 	
Role Requirements: <p><u>Essential Skills</u></p> <ul style="list-style-type: none"> • Good knowledge of LTE physical layer and 3gpp phy specs • Knowledge of LTE Layer 2 (MAC-RLC) would be beneficial • Degree in relevant subject, Electronics Engineering or similar. • Expert knowledge of C • Proficient in the use of Python, shell scripting (Bash). • Excellent knowledge in the programming of embedded real-time systems, particularly on DSP. • Development using embedded Linux, GNU tool chain, debugging tools. • Good understanding of micro-processor digital hardware (memory architectures, cache, interrupt systems, peripheral interfacing). <p><u>Desirable Skills:</u></p> <ul style="list-style-type: none"> • Good understanding of RF test equipment, RF calibration procedures etc. • Knowledge of build systems, especially Make and/or SCons. • Experience of developing host based test harnesses. • Experience in writing device-drivers / control logic for RF products (e.g. AGC, Frequency Compensation, SPI /I2C embedded SW). • Socket programming and standard protocols TCP/IP, UDP, DHCP etc. <p>This role may require occasional travel to other ip.access office locations or customer</p>	

locations.

Competencies:

Business Awareness:

Has a good understanding of telecommunications environment and mobile technology and is aware of new advances that are likely to affect the organisation.

Communication:

Possess strong communication skills and is comfortable in discussing ideas and solutions with others in order to successfully resolve issues. Identifies relevant information, who to communicate it to and the appropriate means by which to do so.

Can communicate effectively with remote working teams.

Able to convert information to the level required for the target audience

Teamwork:

Is comfortable working within a global environment and is able to effectively communicate across different time zones and with different nationalities. Has experience of working within a matrix environment and contributes positively and effectively to team goals. Encourages collaborative team spirit and maintains team harmony even when under pressure. Able to mentor and support team members in areas of own expertise.

Personal Accountability:

Is a self-starter, demonstrates a 'can-do' attitude and is able to adapt to new role requirements with ease.

Demonstrates self-drive, focus and a determination to succeed. Applies initiative when required and takes ownership for achievement of own activities.

Values the contributions of others and is able to accept and apply constructive criticism