

**Company :** Apple  
**Company Name :** Apple  
**Nature Of Business :** Hardware Technology  
**Designation :** Software Engineer, Hardware Technology  
**Tentative Job Location :** Bangalore

**Title: Embedded 5G/4G Cellular RF Software/Firmware Engineer**

**Job Summary:**

**Do you have a passion for invention and self-challenge?**

**Do you thrive on pushing the limits of what's considered feasible?**

**As part of a world class modem team, you'll craft sophisticated leading-edge embedded firmware that deliver more performance in our products than ever before. You'll work across disciplines to transform improved hardware elements into a single, integrated design.**

**Join us, and you'll help us innovate new wireless systems technologies that continually outperform the previous iterations. By collaborating with other product development groups across Apple, you'll push the industry boundaries of what wireless systems can do and improve the product experience for our customers across the world.**

**As a Wireless Firmware Engineer on the physical layer development team, you will be at the center of the embedded 5G/4G/multimode cellular firmware effort within a silicon design group responsible for designing and productizing state-of-the-art cellular SoCs.**

**Description :** This position requires someone comfortable will all aspects of embedded software development, that thrives in a dynamic cross-functional organization, is not afraid to debate ideas openly, and is flexible enough to pivot on constantly evolving requirements.

**Key Qualifications:**

- **Knowledge of mobile communications in 4G/5G 3GPP protocols and physical layer & radio aspects**
- **Solid understanding of Digital signal processing and RF fundamentals.**
- **Solid understanding of software engineering principles, and core computer science fundamentals.**
- **Excellent command of C and C++,and working experience with compilers, build and source code control tools.**
- **Working knowledge of CPU architecture , HW/SW interfaces and memory management.**
- **Proficiency with debugging in embedded software systems. Familiarity with JTAG and ETM Trace tools.**
- **Knowledge of Communication theory, Wireless standards, Radio architecture and Interfaces**

**Description:**

- **Specify, design, and develop the physical layer embedded software architecture of a state-of-the-art mobile wireless communications system.**
- **Design, develop and optimize the cellular modem processing algorithms pertaining to Baseband and RF components in a cellular system.**
- **Work with Baseband & RF systems and hardware designers to define hardware architecture and software computing requirements.**
- **Work with cross functional teams to manage dependencies while driving the key Radio features.**

	Program	AE	BS	BE	CE	CHE	CSE	EE	ES	ME	MSE	PHY	CHM	MTH	ECO	DES	IME	CGS	HSS	EEM	MSP	NET	PSE	Stats
<b>Eligibility :</b>	BT	No	No		No	No	No	Yes	--	No	No	--	--	--	--	--	--	--	--	--	--	--	--	--
	BS	--	--	--	--	--	--	--	No	--	--	No	No	No	No	--	--	--	--	--	--	--	--	--
	MT	No	No		No	No	No	Yes	No	No	No	--	--	--	--	No	--	--	--	No	No	No	No	--
	DoubleMajor	No	No		No	No	No	Yes	--	No	No	No	No	No	No	--	--	--	--	--	--	--	--	--
	dual	No	No		No	No	No	Yes	No	No	No	No	No	No	No	--	--	--	--	--	--	--	--	--
	dualB	No	No		No	No	No	Yes	--	No	No	No	No	No	No	--	No	--	--	No	--	No	No	--
	dualC	No	No		No	No	No	Yes	No	No	No	No	No	No	No	No	No	--	--	--	--	--	--	--
	Mdes	--	--		--	--	--	--	--	--	--	--	--	--	--	No	--	--	--	--	--	--	--	--
	MBA	--	--		--	--	--	--	--	--	--	--	--	--	--	--	No	--	--	--	--	--	--	--
	Phd	No	No		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
	MSc	--	--		--	--	--	--	--	--	--	No	No	No	--	--	--	--	--	--	--	--	--	No
	MSR	No	No		No	No	No	Yes	--	No	No	--	--	--	--	--	--	No	--	--	--	--	No	--

**CTC : INR 3,061,700**

**Break up of CTC - Base 16,50,000 + 2,00,000 Joining Bonus + USD 58,800 worth of RSUs over 4 years split equally (it will be 1,073,100 INR per year)**

**Cost to Company :**

**Total CTC : 60-62 LPA**

	CTC : INR 3,061,700	
Package Details :	Break up of CTC - Base 16,50,000 + 2,00,000 Joining Bonus + USD 58,800 worth of RSUs over 4 years split equally (it will be 1,073,100 INR per year)	
	Total CTC : 60-62 LPA	
Bond :	False	
CPI CutOff :	0.0	
Medical Requirments :		
Resume Shortlist :	True	
Resume Shortlist Criteria:	N/A	
Aptitude Test:	False	
Group Discussion:	False	
Technical Test:	True	
Technical Test	N/A	
Duration:		
Technical Interview:	True	
Technical Interview Duration:	N/A	
Number of Techincal Interview Rounds:	0	
HR Interview:	True	
HR Interview Duration:	N/A	
Additional Information:		