





RAGHU VALLIKAT THAZHATHETHIL

*Versatile, high-energy technocrat with **around 3 decades** of experience in product Architecting/development along with executing and delivering prestigious projects of large magnitude within strict time schedules; targeting senior level assignments in IT/ Telecom preferably in Bangalore*

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Profile Summary

- **27 years of Experience in SW with 12+ YEARS as SW Architect**
- **Strong Technical depth** in various technology domains & Platform (Application & Embedded Software).
- **Spearheaded many Embedded platform products (Board bringup, Uboot, Driver development, boot loader for Windows, Linux and AOSP)**
- **Mobile and Cloud Solution development** -Android Native and **Multiplatform SW Stack**
- **AI/ML Application Development**
- Expertise in **AWS** Cloud platform for designing the reliable/scalable product
- Followed **Agile practices** and methodologies in project execution and delivery
- **Gained international experience** by working across USA, South Korea, Belgium and Japan at major client locations like VZW, AT&T, TMO, Lucent Technologies, ST Micro Electronics, Motorola and Mitsubishi Electric Corporation.
- **Multi-location team handling:** Managed teams across multiple geo locations for delivery of large programs.
- **High integrity & energetic leader**, capable of leading & motivating individuals to maximize levels of productivity; a customer-centric professional and knack for motivating large work-force for exceeding customer expectations in delivery of committed services
- **Trusted IT Senior professional**, recognized as a pivotal leader for long-horizons business assessments, integration support and delivery of targeted technical improvements
- **Achievements:**
 - Received Best Performer Annual Award (Individual Award)
 - Received Best Team Annual Award for On-Time Delivery of a large turnkey product
 - Received Special Recognition Award for successful deployment of World's First 4G phone to US Market
 - Received Best Cost Saver Award for Delivery of a complete ownership product in Risk & Reward model
 - Received Software Certification - Advance Level in Samsung Global Software Certification program



Skill Set

Strategic & Financial Planning ★★★★★

Project Delivery Management ★★★★★

Technical Architecting And Development ★★★★★

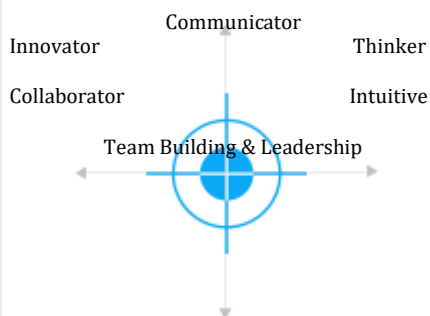
Process Improvement / Reengineering ★★★★★

New Product Development ★★★★★

Client Relationship Management ★★★★★



Soft Skills



Education

- ▶ **M.Tech.** (Instrumentation & Control System) from **NIT**(National Institute of Technology), Calicut, Kerala in 1995
- ▶ **B.Tech.** (Electrical & Electronics) from **Govt. Engineering College**, Trichur, Kerala, Calicut University in 1993



Career Timeline





Work Experience

As Head of technology and Domain Consultant, I am responsible for COE for Embedded AI and IOT, AI/ML.

➤ **Linux Kernel Authentication at U Boot Booting Stage**

- This project involves authentication of Linux Kernel using BLAK2S hashing algorithm.
- The HMI station, which needs to authenticate the Linux Kernel image before booting fully. Same HMI station is required to get Challenge Key from remote machine.
- After getting Challenge Key, HMI station generates the Digest using BLAK2S algorithm. The generated Digest needed to be shared to remote station as well preserve it and pass it
- to HMI application once Linux boots up and brings application.
- Here challenge was to do everything at U Boot level communication with alternate UART, Ethernet and storing it NVM for consumption of application.

➤ **Driver and Command parser for Radio Device**

Embedded board for Radio Device will transit and log and diagnostic information over Serial interface in Windows and Linux Environment

➤ **Development of Communication Framework for NXP based Imbedded device**

Scope was for developing a complete framework(C++) in Windows Platform which will communicate with NXP board and TOF sensor to capture camera frames for detecting box dimension

➤ **Launch of various Windows and Android Phone to global market.**

More than 30 models (flagship and Derivative) owning the complete ownership of board Bring up and Software stack.

➤ **Porting of HMI Application IoT OS.**

➤ **ML Modelling for VLSI Physical Design Automation**

Develop a Python-based automation system to streamline the VLSI PD flow without relying on a graphical user interface (GUI).

➤ **Video Conference Application with WebRTC:**



Personal Details

Date of Birth: 12th Feb 1972

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