V S Deekshitulu Mantha

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Professional Experience

- Working in Motorola Mobility since 2005, at different software development/engineer roles, currently as Advisory Engineer.

Education

- MTech in CSE from IIT Guwahati; June 2005;

Professional Summary

- 19.5 years of experience in the full software engineering lifecycle, specializing in Android native app development for the last 14 years.
- Adept at steering cross-functional and globally distributed teams, managing stakeholder relationships with major North American carriers, and driving technical strategy to ensure quality software solutions.
- Lead the Carrier Customization features - Visual Voicemail (VVM), Video Calling (VT), Real Time Text (RTT), Rich Call Data (RCD) primarily for North American carriers, extended to all geos.

Core Competencies

- Technical Leadership: Feature Ownership, End-to-End Project Delivery, Code Design & Code Reviews, Mentorship.
- Android Development: Android App (both Native Apps & standalone), UI Implementation.
- Languages & Technologies: **Core Java**, **Android SDK**, Kotlin hands-on, IMAP, REST APIs over HTTP
- Stakeholder Management: Client Relationship Management (Verizon, AT&T, T-Mobile), Requirements Negotiation, **Cross-Functional Collaboration**.

Technical Projects & Contributions

- **Moto Notes - Live Transcribe & Summarize** (Jan 2025 to till date):
  - ➢ Led the development of a core user-facing feature that performs real-time audio transcription and summarization, using cloud-based AI models.

- ➢ Engineered the client-side design and coding, to handle audio data streaming, API integration with AI services, and dynamic UI updates for transcription and summarization results.
- **Enriched Calling / Rich Call Data (RCD)** (2019 – Present)
  - ➢ Led the cross-package implementation (Dialer, Telecom, Telephony) of RCD, which displays caller photos and call reasons during incoming calls.
  - ➢ Implemented the solution that includes data retrieval from SIP parameters,performing GBA authentication and UI design for displaying the new data.
- **Real Time Text (RTT)** (2018 - Present)
  - ➢ RTT provides to send, receive and manage text info during an active voice call.
  - ➢ Led the implementation of RTT, a mandatory US accessibility feature, ensuring compliance with regulatory and carrier specifications.
  - ➢ Drove significant enhancements to the AOSP RTT implementation, improving the chat UI/UX, and optimizing message rendering.
- **Video Calling (VT)** (2016 - Present)
  - ➢ Led design and development for carrier-specific Video Calling customizations across the Android stack, modifying Dialer, Telephony, and Telecom packages to meet distinct requirements from Verizon, AT&T, and T-Mobile and enabled the same for all carriers globally.
- **Visual Voicemail (VVM)** (2011 - Present)
  - ➢ VVM feature provides UI to view, listen and manage voicemails in an Inbox, similar to Messaging and Email.
  - ➢ Owned the complete VVM feature for key carriers, delivering both a standalone app (Verizon) and a fully integrated Phone app solution (T-Mobile).
- I was also part of the design and development of other features - both Internal and Carrier specific, those include:
  - ➢ "**Isolation architecture**", which enables developers to add new features without (or with minimal) disturbing base Android code. This helped a lot in faster upgrades for new Android versions and code maintenance;
  - ➢ **WiFi Calling customizations**, include carrier specific WFC opt-in UI, and Call Initiation checks.
  - ➢ **Windows and Linux-Java based APPs** - enabling communication among Motorola Phones, Car kit and BT Watch over Bluetooth as transport layer.

Achievements

- **Publication**: "Improving MAC Layer Fairness in Multi-Hop Wireless Ad hoc Networks" at COMSWARE 2007 (https://www.researchgate.net/publication/4259595_Improving_MAC_Layer_Fairness_in_Multi-Hop_80211_Networks)
- Scored **99.26** percentile in **GATE-2003**.