

Career Objective

Accomplished and resourceful Technical Architect, offering 15+ years of successful career and IT experience in Design and Development of components/ systems in Telecom Domain specializing in IMS with expertise in SIP, SDP, RTP, RTCP, and 3GPP specifications. Exploring challenging leadership role, to drive innovation through AI and ML, to deliver high-quality, cutting-edge solutions and contribute significantly to organizational growth and success.

- Profile Summary
- Seasoned IMS Professional, recognized for expertise in WebRTC Gateway and IMS Client solutions.
  - Excel in accurate analysis, problem-solving, technical capabilities assessment, and team building, consistently delivering high-quality solutions on time.
  - Passionate about leveraging AI and ML for building data-driven solutions.
  - Played pivotal roles in achieving customer satisfaction milestones for prominent clients like TMO and Rakuten, driving innovation and excellence in project execution.
  - Expert in fostering strong relationships with clients, conducting rigorous testing, and optimizing code for enhanced system efficiency and performance, consistently delivering robust and compliant solutions.

Core Competencies

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| <ul style="list-style-type: none"><li>Telecommunications Expertise</li><li>Systems Design and Development</li><li>WebRTC Implementation</li><li>SIP and SDP Protocol Management</li><li>3GPP Standards Compliance</li><li>IMS Architecture</li></ul> | <ul style="list-style-type: none"><li>Project Management</li><li>Software Development Lifecycle</li><li>AI/ Machine Learning Integration</li><li>Code Optimization Techniques</li><li>Quality Assurance &amp; Testing</li><li>Continuous Improvement</li></ul> | <ul style="list-style-type: none"><li>Cross-functional Collaboration</li><li>Communication &amp; Presentation Skills</li><li>Customer Relations</li><li>Technical Leadership</li><li>Problem-solving Skills</li><li>Team Building and Management</li></ul> |
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- Technical Skills
- Programming Languages:** C, C++, Python
  - Operating Systems:** Linux, UNIX, Windows
  - Development Environments/Tools:** Android SDK Platform Tools, Eclipse IDE, Microsoft Visual studio, Rational Rose, Source Insight, Jupyter Notebook
  - Database:** MySQL, SQLite
  - Change Management Tools:** Clearcase, Perforce, CVS, git
  - LTE Testing Equipment:** Anritsu, R&S

Professional Experience

Mavenir Systems | Bengaluru, India  
Technical Architect | Jun 2016 – Present

**Project:** WebRTC Gateway Solution

**Description:** WebRTC Gateway connects the Browsers (or) REST based OTT Applications with IMS network, which enable browsers using different application providers to communicate with each other. This solution provides a complete communication and services platform for the delivery of HD voice service, SMS, video services, and RCS services from any browser client/REST based OTT Application.

**Notable Accomplishments:**

- Recognized multiple times as Employee of the Year for exceptional project delivery and customer satisfaction, particularly noted for consistently delivering high-quality solutions on time.
- Played a pivotal role in enhancing customer satisfaction for TMO and Rakuten clients, with quality deliverables, garnering recognition for quality deliverables and adherence to project timelines across years.
- Actively contributed to the continuous improvement of processes and methodologies, driving innovation and excellence in project execution and delivery.

**Key deliverables:**

- Lead the design and development efforts of WRG (WebRTC Gateway) REST and SIP communication protocols, ensuring seamless integration and functionality.
- Collaborated closely with operators to gather requirements and ensure adherence to industry standards, fostering strong relationships and effective communication channels.
- Demonstrated expertise in code optimization techniques, resulting in significant improvements in Key Performance Indicators (KPIs), enhancing overall system efficiency and performance.

**Samsung R&D Institute India Bangalore | Bengaluru, India**  
**Technical Lead | Mar 2011 – Jun 2016**

**Project:** IMS Client Solution

**Description:** Samsung IMS (IP Multimedia Subsystem) client solution provides a complete communication and services platform for the delivery of HD voice service, SMS, video services, and RCS services for Samsung UE (User Equipment). By this, Samsung provided World's First launch of VoLTE solution in Korea, and subsequently in many other countries across the globe.

**Notable Accomplishments:**

- Successfully ported IMS Client solution onto various platforms including Android upgrades and Tizen, demonstrating versatility and adaptability in software deployment.
- Played a pivotal role in the successful launch of the world's first VoLTE solution by Samsung, facilitating its deployment in Korea initially and subsequently in numerous countries worldwide, marking a significant milestone in telecommunications history.

**Key Deliverables:**

- Spearheaded Requirement Analysis, design, and development of VoLTE, VoWifi, SMS over IMS, and ViLTE features, adhering to 3GPP/IR.92/IR.94/IR.52 standards on Samsung UE, ensuring robust and compliant solutions.
- Established effective channels of communication with operators, actively engaging in requirements gathering sessions and ensuring strict adherence to industry standards, fostering strong partnerships.
- Contributed significantly to code optimization and Key Performance Indicator (KPI) improvement initiatives, enhancing system efficiency and performance through targeted enhancements.
- Demonstrated proficiency in writing and executing Unit Test Cases and Functional Integration Test Cases, ensuring the reliability and functionality of developed features.

**Wipro Technologiex | Bengaluru, India**  
**Project Engineer | Sep 2008 – Feb 2011**

**Client:** Harman-Becker Automotive Systems

**Project:** IOFS Resource Manager Interface for Media Devices

**Description:** Our project was to develop the io-fs-media (a filesystem resource manager for media devices, which provides extensions specific to media devices to make media devices and file systems appear as POSIX-compliant) and the corresponding device interfaces to connect remote devices over Bluetooth (A2DP/AVRCP), and Wi-Fi (UPnP). This will be integrated as part of Harman Connectivity framework for connecting the remote devices from car Head Unit (HU).

**Key Deliverables:**

- Led Requirement Analysis, design, and development efforts for the IOFS Resource Manager Interface catering to A2DP/AVRCP devices, ensuring seamless integration and functionality.
- Conducted Unit Testing to validate the robustness and reliability of the developed IOFS Resource Manager Interface, ensuring adherence to specified requirements and standards.
- Executed DLNA CTT (Certification Test Tool) study and compliance testing for UPnP Devices, ensuring conformance to DLNA (Digital Living Network Alliance) standards and specifications, thus facilitating interoperability and compatibility with other DLNA-certified devices.

**Education**

- **Executive PG in AI & ML**, International Institute of Informational Technology Bangalore (Dec-2022 - Feb 2024)
- **M.Tech - Computer Science**, National Institute of Technology, Allahabad (Jun 2008)
- **B.Tech - CSE (Computer Science Engineering)**, K.S.R. M. College Of Engineering, S.V. University, Tirupathi (2005)

**Conference**

- Attended 3rd IEEE International Conference on e-Science and Grid Computing 2007 Bangalore

**Publications**

- Ramakrishna Garudadri, Krishna Kant, "A Hybrid Resource Information Dissemination Protocol for Dynamic Grids" "16th IEEE International Conference on Networks" (ICON 2008) Dec 12-14, 2008, New Delhi, India

**Personal Details**

- **Date of Birth:** 08 May 1984
- **Nationality:** Indian
- **Marital Status:** Married
- **Languages Known:** Telugu, Hindi, English
- **Location Preference:** Bengaluru