S Nagaraju premium Featured

Vice President Engineering,Seeking Roles in Solution Architecture, Requirements Analysis, Product, Application Development, Analytics, Machine Learning, Project Management, Customer Engagement,Innovation, Training and Mentoring, Team Management

- *Current Designation:* Vice President Engineering
- *Current Company:* Reliance Jio
- *Current Location:* Bengaluru / Bangalore
- *Pref. Location:* INDIA,Qatar,United Arab Emirates (UAE)
- *Functional Area:* IT Software - Client Server
- *Role:* Head/VP/GM-Technology(IT)/CTO
- *Industry:* IT-Software/Software Services
- *Date of Birth / Gender:* 22 Aug 1979 / Male
- *Marital Status:* Married

- *Total Experience:* 18 Year(s) 0 Month(s)
- *Annual Salary:* Rs 65+ Lac(s)
- *Notice Period:* 2 Months
- *Highest Degree:* Masters [Business Law]
- *Address:* Bengaluru - 560038

- *Key Skills:* sql,java,c,android,ios,web designing,webrtc,cordova,react.js,html5,nginx,spring boot,hadoop,media,docker,jenkins,mvvm,mvc,css,uml,software architecture,microservices,mobile architecture,pmp,patents,freeswitch,SIP,RTP,SDP

Verified : Phone Number | Email - id

ID: 26a19ddc628cd30830 Last Active: **Oct-Dec 2019** Last Modified: **Oct-Dec 2019**

Jump to Section
Work Experience | Education | IT Skills |

Summary

Nagaraju is a Solutions Architect, along with Engineering Management & Product experience, holding to his credit several Patents and close to 18 years of experience in Mobile Application & Services Development. He is known for presenting papers on various mobile technologies across the borders. He has demonstrated hands-on management skills in development and implementation of strategic plans to ensure company growth. He holds expertise in leading multiple end-to-end projects combined with solid planning and organizational skills while coordinating all aspects of each project from inception through completion. Gained advanced expertise in the design, development and delivery of cost-effective, high-performance technical applications. He holds a strong digital proficiency, including launching new products and capabilities and understanding of mobile devices and applications. Possesses high-level problem-solving and decision-making skills, combined with extensive knowledge to implement a

Work Experience

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    Reliance Jio as *Vice President Engineering*
    Dec 2015 to Till Date
    Feature: Jio Chat Audio & Video Calls (Instant Messaging & VOIP application similar to WhatsApp, Skype, Hike)
    Google Play: 40 Million downloads (https://tinyurl.com/q58uhk4)
    Domain: Android WebRTC, iOS WebRTC, Media Server - Coturn, Java server, Redis

Duration: Dec 2016 - Till Date
End to End development of Mobile Apps (Android, iOS, and KaiOS), Server (Application & Media) for P2P based Audio & Video calls.
10 million daily call load handled by the deployment now, which can easily take load of 15 million calls.
Call analytics development in the areas of call setup, connected calls, call drops & media statistics to monitor the server failures.
UI, Call signaling, Push (FCM, APNS, KPP), Media parameters, Call quality, New features, bug fixes
Feature: Jio Chat PSTN Dialer (Similar to Skype OTT application to make calls to PSTN or mobile number)
Domain: Android WebRTC, iOS WebRTC, Media Server - Janus SIP gateway, Coturn, Java server, Redis
SIP, RTP, Huawei SBC, Radisys MRF Transcoder, IR92
Duration: Feb 2019 - Till Date
Details:
End to End development of Mobile Apps (Android and iOS), Server (Application & Media) for PSTN calls.
3500 peak concurrent calls supported by the deployment
Call analytics development in the areas of call setup, connected calls, call drops & media statistics to monitor the server failures.
UI, Call signalling, Push (FCM and APNS), Media parameters, Call quality, New features, bug fixes
Codec support: Opus, AMR, PCMU, PCMA
Feature: Jio Chat Conference Calls
Domain: Android WebRTC, iOS WebRTC, Server - Coturn, Kurento, Springboot, Redis
Duration: Aug 2017 - Till Date
Details:
End to End development of Mobile Apps (Android, iOS, and KaiOS) and Server (Application & Media) for SFU based Conference calls.
1 lakh daily call load handled by the deployment.
Conference analytics development in the areas of call setup, server load, server failures.
Feature: Live Streaming
Domain: Android, Kurento, Springboot, NGINX-RTMP, Redis, Kafka
Duration: Feb 2017 - Till Date
Details:
Android mobile app live stream server development.
WebRTC based real-time Live streaming with ~500ms latency.
RTMP based live streaming with ~4 to 8 seconds latency and 4 levels of chaining.
India Specific live stream solutions on JioPhone (22$ Phone)

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Samsung Research Institute Bangalore as *Principal Engineer*
Jun 2008 to Nov 2015
Mobile apps & dependent service Incubation:
Conceptualize new features for mobile applications and dependent services for Samsung services
Defined new features for ChatON Instant messaging application based on which new solutions project got approval from Samsung HQ.
Defined the P2P based end to end architecture for ChatON V - VOIP application, which is commercialized on Galaxy series mobile phones
API refactoring for S Health SDK v2 to provide easy API to 3rd party developers along with new features is developed
Defined new features for Samsung sports application based on which new features are incubated at other R&D centers

Device side Solutions Incubation - New solutions developed for Indian market for Samsung devices
Indian language transliteration library is developed and integrated with SMS & email, which can convert
Indian Languages to English and
Indian Languages to other Indian languages
Cross lingual Indic dictionary - between English and Hindi languages
Developed in collaboration with IIIT-Hyderabad for content
Dictionary data compression is done with good compression ratio and minimal performance overhead
Text to speech solution is developed for reading English text in Indian accent English using Flite open source commercialized on Galaxy series mobile phones
Font rendering of 11 Indian languages for feature phones is developed and commercialized on Samsung feature phones
Developed in collaboration with C-DAC

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Huawei technologies India Private Limited, Bangalore as *Technical Project Leader*
Aug 2005 to Jun 2008
1. Developed Video Player, Music Player, Music Library, Audio Recorder , Image Viewer, Image Editor, Data Folder on Qualcomm UiOne. 2. Developed Brew Emulator using DirectFB, Freetype & Linux. 3. Developed Native UI for SMS

Education

- *UG:* **B.Tech/B.E. (Computers)** from **Sri Krishnadevaraya University (SKU)** in **2000**
- *PG:* **Masters (Business Law)** from **National Law School of India University (NLSIU), Bangalore** in **2017**

IT Skills

Skill Name	Version	Last Used	Experience
C, Java, Android, Web Apps, WebRTC			
Push (FCM, APNS, KPP), iOS Call, Cordova			
Nginx, Springboot, MySQL			
Hadoop, HTML5			

Kurento Tree, NGINX RTMP
Coturn, Kurento Rooms
Docker, Jenkins, JIRA, Git
Linux, Windows
UML, Design Patterns
MVC, MVVM
[^ Back to Top](#)

Languages Known

LanguageProficiencyReadWriteSpeak
English
Hindi
[^ Back to Top](#)

Affirmative Action

- *Physically Challenged:* No

Work Authorization

- *Job Type:* Permanent
- *Employment Status:* Full time

[^ Back to Top](#)

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