

## Contact

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## Top Skills

Chipsets and SOM  
Mobile Devices  
Wireless Data  
Radio  
Telco & Service Provider Infra  
Data Communication  
Smart City / Smart Community  
Sensor & Sensor Networks  
Value Added Services  
Productization of E2E Solutions  
Commercialization of E2E Networks  
Umbrella Patenting of Innovation

## Publications

Coming of Age: Innovation in Vehicle Tracking and Navigation Hardware, Solution and Service

[https://www.telematicswire.net/magazine/2013/TW\\_Jan\\_2013.pdf](https://www.telematicswire.net/magazine/2013/TW_Jan_2013.pdf)

## Keynote Speaker

The 27<sup>th</sup> International Conference on Telecommunications (ICT 2020)

Co-sponsored ComSoc - IEEE

## Patents

Wireless Enumeration (USPTO)  
(WO2018083710) AN IMPROVED MANAGEMENT AND INTERNETWORKING OF DEVICES TO COLLECT AND EXCHANGE DATA WITHOUT REQUIRING INTERACTION (WIPO)

A Device For Distant Smart Object Management (WIPO)



# Anush Gopalan

809 Kizer Street, Milpitas, CA 95035 USA

29 Second Street, South Beach Ave., MRC Nagar, RA Puram, Chennai 600028 INDIA

Last 30+ years of experience in the field of Telecom and Wireless Data and has served in renowned international of organizations and done numerous successful startups I have over 30+ years of experience in telecom, mobile computing, sensors and wireless data communication. Held key Mentor, Investor, Business and Technical management roles as

- Strategic Advisor in Vipas Inc / LifeSigns Inc / LeadMax India and Mentor Investor for Hetrogenous Group.
- Serial Entrepreneur of Qualphone Inc. (USA) and Sonim Technologies Inc (USA),
- Professional Management role in Motorola as part of New Business Acquisitions and driving Standards for Motorola like the WAP and OSGI Forum
- Intrapreneur in 3Com/Commworks, USRobotics, Zenith Data Systems and Thinqe Systems delivering end to end wireless data strategies, wireless data gateway products and developing a patent rich first time products in the wireless LAN/WAN technologies working with Palm / Qualcomm and Sprint Wireless to address enterprise solutions.

Have patents in the areas of terminal technology and wireless data communication. Currently partnered in numerous advanced technology companies and the chief visionary and strategist for Hetrogenous Inc. Specifically focused on developing the eco-system for sensors, wireless chipset and terminal devices to address globally and scale to accelerate deployment of such solutions to tap the market potential in Americas, India and ASEAN.

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Vipas Inc. (USA) - **Current**  
Strategic Techno Commercial Advisor

The rules of connectivity are changing, as the 5G era transitions from vision to reality – and at a very rapid pace Vipas Inc is designing and fabricate a Multi Radio System on Chip. Using a reconfigurable transceiver which can be reprogrammed for different radio protocols. A multi radio wideband transceiver will be developed to operate in the range of 450 MHz to 6 GHz and software switchable.

Taking the design at every stage of design and development to be part of through technology collaborations and demonstrations, and with comprehensive commercial chipset solutions for fixed and mobile devices, Edge and RAN infrastructure.

LifeSigns (USA) & (India) - **Current**  
Strategic Advisor Products, Solutions and SaaS

LifeSigns is leading the world in deploying the “Intelligent Patient Monitoring for Patients Anywhere Anytime. LifeConnect provides real time state-of-art solution with continuous every sub minute medical data from the moment the patient is picked up at home and the care giver tracks there vitals and key health data, ensuring reliable data, ensuring one receives the fastest and most informed Health data, ensuring one receives the fastest and most informed treatment possible upon arrival at the hospital.

Experience seamless care in hospital using advanced technology to track vitals and health data around the clock even from afar. Thus enabling doctors to make Informed Decisions. Post hospitalization the patient can get a comprehensive care recovering comfortably in the familiarity of his/her home.

Technology advisory and Product support

Leadmax (India) - **Current**  
Strategic Techno Commercial Advisor

Leadmax is an cognitive IoT platform enabling data-driven enterprises to create and operate secure, flexible, and transparent infrastructure for distributed devices and applications. Leadmax’s robust architecture enables it to provide world-class applications in diverse verticals such as railways, defence, private 5G networks, telecommunication, maritime, facility management, asset management, and several others.

Hetrogenous Group. (Los Angeles / Chennai / Kuala Lumpur)  
Chief Mentor & Investor - **Current**

Hetrogenous harnesses the power of proven technologies with the STAY framework as an umbrella to bring value to its customers, be it enterprise or consumer. This framework combines the building blocks for a wide variety of applications, utilizing device connectivity technologies such as Cellular (6g/5g/4G/Sat/P2MP mmWave, short range LPWAN meshed wireless (BLE, Wirepass, 6LoPan, Lora, WIFI, Sigfox etc)., location technologies such as GPS, triangulation, LBS technologies, Sensor Technologies (MEMS based) and GIS Navigational technologies to communicate seamlessly with sensors over unlimited distances. The device management suite removes the complexity of configuring new service parameters and enables more flexible and dynamic service offerings. The system can automatically configure bundled services when the network detects the device and new value-added services can be added quickly to create a new service and simply Klik to select create and STAY Connected. Hetrogenous is focused on providing wireless convergence enterprise solutions as a VAS service to vertical segments such as Telecom - Tower Infra, Smart Factory, Transportation and Logistics, Home Automation, Smart City Development & Construction, Power Grid and Distribution.

[https://www.vccircle.com/the-chennai-angels-others-back-iot-startup-hetrogenous-communications/?utm\\_source=VCCircle+NL+September+13%2C+2017&utm\\_campaign=Constant+Contact&utm\\_medium=email](https://www.vccircle.com/the-chennai-angels-others-back-iot-startup-hetrogenous-communications/?utm_source=VCCircle+NL+September+13%2C+2017&utm_campaign=Constant+Contact&utm_medium=email)

[http://www.ptinews.com/pressrelease/12503\\_press-subChennai-Based-Hetrogenous-and-Technrwheels-Collaborate-to-Offer-Compelling-Solution-for-Taxi-Service-Dispatch-and-Customer-Safety](http://www.ptinews.com/pressrelease/12503_press-subChennai-Based-Hetrogenous-and-Technrwheels-Collaborate-to-Offer-Compelling-Solution-for-Taxi-Service-Dispatch-and-Customer-Safety)

<http://www.telematics.com/telematics-blog/telematics-usage-growing-rapidly-india/>

<http://www.directorstalk.com/quindell-telematics-at-sweet-spot-say-experts/>

<http://www.thehindu.com/todays-paper/tp-national/tp-tamilnadu/corporate-connect-initiative-takes-off/article5675694.ece>

Qualphone Inc. (Acquired by Qualcomm)  
Founder and VP of Business Development  
October 2003 - May 2005 (1 year 8 months)

Lead Qualphone for its Business Development activities in the mobile chipset and terminal market globally to be integrated with IMS Client on Chipsets and Mobile Platforms (Compliant to 3GPP Rel12) to Inter-operate with IMS Multi-Media with Alcatel Lucent, Siemens, Ericsson and Nokia IMS Cores and using Ubiquity Service Creation and Service Delivery Platform to enable Presence, Push-To-Services (Talk / Watch / View / Multi Party Gaming) use cases to accelerate time to market on Feature and Smart Phones working with Telecom Italia, Wind Labs and H3G UK.

Sonim Technologies (Myneton Inc) - USA  
Founder and Director Business Development  
November 1999 - August 2003 (3 years 10 months)

Founder and Director of Business Development - Responsible for the strategy of embedding Voice and PTT client on mobile chipsets and mobile terminals globally.

Author of the MENSA (Motorola, Ericsson, Nokia, Siemens, ATT) Specification as we partnered with Ericsson for Push to Talk which eventually became the OMA Specification

Enabled Chipsets like (TI, Infineon, Intel, Qualcomm, ADI) to enable SIP addressability and to bring AMR Codec in Class B enabled mobiles on 3GPP Rel 7 Stack to implement Push To Talk

Bundled our Implementation of Push To Talk on base chipset platforms like Infineon EGoldV3 and APOXII Framework, TI Calypso Chipset / OMAP Chipset and Framework, ADI TTPCOM Framework, Intel StrongARM chipset with WinCE, Qualcomm WCDMA Chipset with Brew Framework, Freescale I.MX and I.250 Chipset Platform, ARM Platform

Push To Talk client was bundled with extensions on Symbian, WinCE, Samsung, Nokia and LG proprietary OS

SIP and Presence Implementation with full interoperability with HotSIP, Qualcomm QChat

## Motorola Solutions

Manager - New Business Acquisitions

January 1998 - November 1999 (1 year 11 months)

Phoenix, Arizona, United States

Part of a cross organization team responsible for New Business Acquisitions to make Buy-Vs-Build decisions to enter new technology markets to enable Applications and Wireless Networks convergence

## 3Com / US Robotics

Staff Engineer

April 1996 - December 1997 (1 year 9 months)

Architect and Product Line Management - Defining new product features as a founding member (1 of 5) for the 3COM / US Robotics IWF (Inter Working Function) Gateway for GSM and CDMA networks.

Part of the team responsible for Quick Net Connect which was eventually launched with Sprint Wireless

## Zenith Data Systems

Principal Engineer

April 1994 - June 1996 (2 years 3 months)

Team member with numerous patents for CruisePAD. Responsible for the wireless LAN communication aspects to provide mobility using pre-WLAN protocols such as (Mobile IPX etc.)

[http://pencomputing.com/old\\_pcm\\_website/PCM\\_5/review\\_zenith\\_cruisepad.html](http://pencomputing.com/old_pcm_website/PCM_5/review_zenith_cruisepad.html)

## Thinqe Systems

Sr. Engineer

1991 - 1994 (3 years)

DEXUCS, Route Traq, SFA Solutions

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## Education

Arizona State University - USA

Technology MBA · (1999 - 2001)

Utah State University - USA

MSEE, Electrical Engineering · (1989 - 1991)

Annamalai University - India

BS E&I, Electronics and Instrumentation · (1985 - 1989)