

# KHYATI MISTRY

P: (682)-203-8595

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Redmond, WA

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## WIRELESS PRODUCT DEVELOPMENT ENGINEER

Motivated professional with 8+ years of experience and a proven track record of delivering results in various facets of the telecommunications industry through strong technical, project management and leadership skills in collaboration with global mobile operators, handset, chipset and network infrastructure manufacturers. Energized and excited to rejoin the workforce after a personal sabbatical to care for family.

## TECHNICAL SKILLS

Technologies	IPv4/IPv6, 5G, VoLTE, IR.94, IMS, 4G/LTE, 3G/WCDMA/UMTS, HSPA+, 2G/GSM/GPRS
Cellular Networks	Node B, RNC, MSC, SGSN, GGSN, eNB, CBC, LTE EPC core, IMS, Cisco Routers & Switches
Tools	Wireshark, QXDM/QCAT, TEMS, Spirent Nomad/Datum
Software	git, github, Linux, Python, CI/CD, Containers, Azure, Visual Studio Code

## PROFESSIONAL EXPERIENCE

Career Break Feb 2017 onwards

### • Courses

- 5G: Technology, Architecture and Protocols (Completed Oct 2021)
- Deploy a website to Azure with Azure App Service – Microsoft (in progress)
- CCNA – Cisco (in progress)
- Full-time mom to two lovely kids who teach me empathy, patience, perseverance, endurance and time management
- Learning, implementing and sharing the knowledge of Ayurveda – the ancient science of life

AT&T Inc. Mar 2013 – Feb 2017

*Principal Product Development Engineer – SPE* Redmond, WA

- Researched, designed and led the development of field test strategies and processes for new feature sets focusing on consumer experience. Notably VoLTE, Wi-Fi calling, IR.94, Carrier Aggregation, MFBI, NumberSync, IPME
- Spearheaded efforts to reduce organization expense budget by nearly 30% through researching and accrediting 3rd party service providers for new device certification testing. Collaborated with the Supply Chain to develop a RFI (Request For Information) and define the SoW (Statement of Work) compliant with company policies
- Led trials with leading industry tool vendors and evaluated their business proposals for adoption based on requirements, team fit and ability to bring process and monetary efficiencies
- Drove multiple field test projects for new devices, features and collaborated with key stake holders across multiple teams within AT&T (SPE, RAN, RF/local market); third party service providers and OEMs. In addition, worked on identifying, troubleshooting, tracking and driving issues to resolution
- Eliminated time redundancies by reducing 10% of test execution hours per device via streamlining field test processes (10776) and leveraging existing test intelligence instead of reinventing the wheel. Identified redundancies in resourcing model of third-party service providers that led to reduction in costs

Ericsson Inc. Apr 2011 – Mar 2013

*Services Engineer II – New Product Introduction* Bellevue, WA

- Quarterfinalist in the “Ericsson Innovation Competition – Region North America” for submitting a design proposal for Next-Generation network solutions
- Increased the sales opportunity in a leading Ericsson network solution by proposing the sale of next generation features through a licensing model
- Introduced the latest hardware and software 3G/4G solutions in AT&T networks using a structured approach of defining the test strategy, deploying the products and validating user scenarios in lab environment and live networks based on 3GPP specifications
- Mentored talented engineers in wireless technology fundamentals, network tools and end to end call flows

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## Nokia Siemens Networks

Dec 2008 – Apr 2011

*Research and Development Engineer*

Irving, Texas

- Delivered high quality user scenarios as part of device interoperability testing (IOT) of 2G/3G wireless technologies in collaboration with global mobile (Apple, Nokia, Samsung, HTC) and chipset (Qualcomm, Broadcom) vendors
- Managed and executed radio interface compatibility testing for new BSC and RNC software releases and performed root cause analysis of critical system bugs based on 3GPP standards to markedly improve product quality
- Extensively involved in troubleshooting and root cause analysis of network solutions deployed for global telecom operators (TELUS, Vodafone, Softbank, T-Mobile)

## Qualcomm Inc.

Jan 2008 – Aug 2008

*Test Automation Engineering Intern, Multimedia*

San Diego, CA

Designed a new test strategy to better simulate real world call scenarios and developed a Perl based automated test framework to enhance test coverage for voice services across multiple platforms

## EDUCATION

### Master of Science in Electrical Engineering

Dec 2008

University of Texas at Arlington

GPA 3.85

### Bachelor of Engineering in Electronics & Telecommunications

May 2006

Mumbai University, India

### Ayurvedic Wellness Counselor

In Progress

Kerala Ayurveda Academy