

## Contact

[www.linkedin.com/in/arjun-b-a4349530](http://www.linkedin.com/in/arjun-b-a4349530) (LinkedIn)

## Top Skills

LTE

CDMA

GSM

## Languages

English (Native or Bilingual)

Hindi (Native or Bilingual)

## Honors-Awards

Qualstar

Qualstar

Qualstar

Qualstar

Qualstar

# Arjun B.

Senior Software QA Engineer at Apple  
San Francisco Bay Area

## Summary

Accomplished engineer with 8+ years of experience in testing wireless products with specialization in 802.11 Wi-Fi protocols. Passionate about acquiring new skills, implementing out of the box thinking, responsibility for my actions, accountability for my mistakes and recognition for my achievements keep me driven to perform better every day.

## Experience

### Apple

Senior Software QA Engineer

June 2020 - Present (5 years 10 months)

Cupertino, California, United States

### Qualcomm

8 years

WLAN Senior Software Test Engineer

April 2016 - May 2020 (4 years 2 months)

\* Lead Wi-Fi6 WFA certification program including performance and feature testing of Qualcomm Wi-Fi chipset to qualify our solution as test bed device against vendors such as Broadcom, Intel, Marvell, etc

\* Feature testing of advanced 802.11ax features such as DL-OFDMA, UL-OFDMA, DL MU-MIMO, MU-BAR, Target Wake-Up Time, etc., in an environment with short release cycles

\* Feature testing of WiFi roaming including IEEE standard 802.11k, 802.11v and 802.11r on android platform

\* Experience in working on cabled setup including Cisco WLC controller, Cisco AP and variable attenuators (JFW)

WLAN Software Test Engineer

June 2012 - March 2016 (3 years 10 months)

\* Feature testing to achieve Indoor Location (802.11mc) WFA certification based on 802.11 round trip time (RTT) to qualify our solution as a test bed device

- \* Feature testing of sub-system restart (SSR) of WiFi solution with the goal to keep the performance same even after reducing the WiFi chip restart time by 30%
- \* Perform competitive analysis for maximum TCP/UDP throughput efficiency between our WiFi solution and commercial devices using iperf and chariot tool
- \* Maximize WiFi test plan quality by writing clear and detailed test cases that test the system limits, close coverage holes and evaluate product quality
- \* Reduce turnaround time of debugging cycle by analyzing firmware logs using QXDM tool and sniffer captures using wireshark
- \* Collaborate with software developers to automated tests/infrastructure in python to enable round-the-clock testing of WiFi and stress the solution to achieve highest quality and stability
- \* Work with cross-functional teams in different geographical locations to gather data and provide test reports to management as well as document and track issues to the closure
- \* Manage feature testing in station, mobile hotspot and peer-to-peer (WiFi-Direct) mode
- \* Visit customer locations to debug critical issues to mitigate impact to product launch

Sociology Department, University of Maryland  
 Graduate Assistant, Information Technology Support  
 August 2010 - May 2012 (1 year 10 months)  
 University of Maryland

- \* Install and troubleshoot Xerox, computers and printers on network for the whole department.
- \* Handle installation and troubleshooting of software such as Novell GroupWise and Cisco VPN Client and computer program SPSS used for statistical analysis.

Metrico Wireless  
 Wireless Field Test Engineer  
 June 2011 - August 2011 (3 months)  
 Frederick, Maryland, United States Of America

- \* Performed wireless device evaluation for the Metrico's 'Fit4Launch' and 'Mobile Experience' in Manhattan, Chicago, Dallas, Baltimore and Washington D.C. market area.
- \* Tested voice quality and data throughput for UMTS and CDMA carriers (AT&T, T-Mobile, USCC, Verizon, etc) and OEM's (Samsung, Blackberry, Nokia, Apple, ZTE, and HTC).

\*Gained hands on experience on tools such as NOMAD used for testing voice quality, call performance and Bluetooth service quality and DATUM used for testing data throughput by performing FTP, HTP and UDP tests.

\*Measured data performance, including web page delivery, file uploads and downloads and streaming data performance in network conditions such as ideal condition, poor coverage, drive out of coverage and 4G-3G transition.

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## Education

University of Maryland College Park

Master's, Telecommunication · (2010 - 2012)

Guru Gobind Singh Indraprastha University

B.Tech, Electronics and Communication · (2006 - 2010)