

## Neha Roy

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## WORK EXPERIENCE:

Currently working as Software Engineer in Global Edge Software Ltd from 2013 with overall experience of 2.6 years in Connectivity area focusing on WiFi domain

## SUMMARY:

- Good understanding of IEEE 802.11 Wireless Standard, Networking, UNIX internals and C with full exposure to Software Development life Cycle.
- Sound knowledge over TCP/IP Networking, OSI model, Iperf and IEEE 802.11a/b/g/n standards.
- Expertise in Wireshark/Omnipeek Over the Air Sniffer analyzing.
- Familiar with programming languages like PERL, Shell Scripting, GDB, GNU Make, Software Engineering.
- Hands on experience in Inter-operability Testing and Performance testing.
- Expertise in Manual feature testing.
- Good experience in Exploratory Testing.
- Actively involved writing test plans, test cases and reviewing the test cases.
- Good Debugging skills.

## EDUCATIONAL QUALIFICATION:

S.No.	Period		Institution / Place	Degree / Exam	Percentage obtained
	From	To			
1	2006	2007	<a href="#">JSS Public School , J.P Nagar, Mysore, KA, India</a>	10 <sup>th</sup> Std.	90.4
2	2007	2009	<a href="#">Sadvidya Semi Residential Pre University College</a>	12 <sup>th</sup> Std.	69
3	2009	2013	<a href="#">GSSS Institute of Engineering and Technology, Mysore, KA, India</a>	B.E	66.0

## WORK EXPERIENCE:

I am currently working in Qualcomm India Pvt Ltd through Global Edge Software Ltd with the role of a Wireless Protocol Test Engineer in **Wi-Fi** domain having 1 year 6 months of experience for the same.

## PROJECT UNDERTAKING:

**Role** : WiFi System Test Engineer (Manual).

**Platform** : Android / Windows

**Tools** : Iperf/Wireshark/Omnipeek/JTAG

**Duration** : 2 years

### Responsibilities:

My duties revolves around identifying, reporting and root causing various issues by analyzing logs for various WiFi Standards as mentioned below :

- Complete feature testing for 802.11z (Tunneled Direct Link Setup) and its enhancements.
- Customer proprietary IBSS based Wireless feature testing.
- Hands on experience with 802.11x EAP SIM feature testing.
- Regression testing on various build releases for Station, Soft AP, 802.11d (Regulatory), 802.11z (TDLS), 802.11i (Wireless Securities) and 802.11e (Quality of Service)

## PROJECT UNDERTAKEN:

**Role** : Wi-Fi Test Engineer

**Platform** : Ubuntu (Linux) / Windows 7 / Windows XP / MAC

**Tools** : Iperf / Omnipeek/ Wireshark

**Duration** : 6 Months

### Responsibilities:

- Interoperability Testing (IOT) : This project involved verifying the sanity of various proprietary boards both as a Station and an Access Point with various other Stations and Access points
- Throughput Testing: This project involved testing the throughput of proprietary boards both as a STA and AP using iperf and Chariot tools. The AP and STA throughput were tested in different environments (Noisy / Screen Room Env). They were accessed through separate systems to change their configurations. Throughput were noted for different security configurations.

In case of low throughput readings, the logs were analyzed, bugs identified and issue root caused.

**TRAINING UNDERTAKEN:**

**Role** : Advanced Embedded Software and System Programming

**Duration** : 5 Months

**Training module:**

- C and Data Structure
- Software Engineering
- UNIX programming and Internals
- Networking [TCP/IP protocol suite]
- Knowledge on Various Unix commands and System Calls

**AWARDS:**

“**Young Turk Award**” appreciation for ramping up with various technologies and helping in achieving significant customer milestones for the year 2014-15.

**STRENGTHS:**

- Ability to work independently and also in team.
- Quick learner and a self-starter.
- Ability to adopt quickly.
- Hardworking and undertake challenging tasks.
- Good communication and interpersonal skills.

**PERSONAL DETAILS:**

Name : Ms. Neha Roy

Father's Name : Mr. P.K Roy

Phone Number : +91 8179143963

Date of Birth : 11th December 1991

Marital Status : Single

Age : 23

Gender : Female

Languages Known : English, Hindi, Kannada and Bengali.

**Neha Roy**

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