

## Deepak Goel

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### KEY EXPERTISE

A proactive, confident, and ambitious professional with 10 years of experience in IT/Telecom Industry and multiple commendations from each employer. Functional Experience includes **System Testing, Integration Testing, Product Validation, Product Management, Mobile Testing, MDM(AirWatch/SOTI), Modem Testing, Field Testing, Mobile Application Testing, Remote Testing, Acceptance Testing (UAT), Automation Testing, Performance Testing, Regression Testing, Smoke Testing, OTA Update Testing, Stress Testing, Monkey Testing, Benchmark Testing, and Localization Testing** for GSM/GPRS/EDGE/UMTS/LTE/5G devices.

Adept at creating Product Readiness Statements, Competition Benchmarking, Audit Reports, Product Management, Manual Tests, Automated Tests, System tests, LTE Testing, Field Testing, quality assurance programs, and application testing for a variety of mobile devices. Specialize in Black Box, Regression, and case-specific testing procedures.

- New Product Management, Market research, and Product Customization as per requirements
- UE Testing
- Project Management
- Team Management, Task handling
- Basic level logs analysis
- IoT and operator LAB Testing
- Co-Ordinate b/w OEM & Telecom Operators
- Coordination with India and China R&D
- RTC, ALM (Project management and bug tracking) Management
- HQ coordination and Feedback
- Vendor management (Airtel, Jio, Vi, MTK, and Qualcomm)
- inter-department coordination (Logistics, sales, support, and service).
- Requirements gathering and Project Management
- New Product Development and Testing (Mobile Phones/Tablets/STB)
- CTS, GTS, VTS certification
- Account Management and Customer support

### EXECUTIVE SUMMARY

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- **OPPO Mobiles India Pvt. Ltd.**, Hyderabad, India- Lead Engineer from Dec-2019 to till date
- **LnT Tech. Services Pvt. Ltd.**, Bangalore, India- Senior Engineer from Dec-2017 to Dec-2019
- **Transsion Holding Pvt. Ltd.**, Noida, India (S Mobile devices also named as itel Mobiles) – Engineer- Quality Management from Jan-2016 to Dec-2017
- **MoMagic Technologies Pvt. Ltd.**, Noida India- Associate Software Engineer from Jan-2014 to Jan-2016
- **Mediatek India Pvt. Ltd.**, Noida, India- Intern from Dec-2012 to Dec-2013
- **Spice Digital Ltd.**, Mohali, India- Intern/ professional training from Jan-2012 to Jun-2012

## PROFICIENCY FORTE

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|----------------------------------|---|
| <b>Technologies Working with</b> | 2G, 3G, 4G, LTE, 5G (NSA/SA), Android       |
| <b>Specialty</b>                 | RRC, NAS, IMS Signaling                     |
| <b>Tools working internally</b>  | ELT, QXDM, QPST, ELT                        |
| <b>Tools exposing external</b>   | CTS, Wireshark, Teraterm, TTL, TCL          |
| <b>Bug Tracking Tools</b>        | Bugzilla, Clear Quest, ALM, JIRA, RTC, Noah |

## PROJECTS AND INDIVIDUAL ROLE

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### **Project Name: Project Management and Product validation from India & Nepal Operators**

**Employer:** OPPO Mobiles India Pvt. Ltd., Hyderabad

**Description:** Demonstrated competencies in project execution and Customer support for mobile devices / Chipset apart from Field-testing, Application testing, Software Testing process optimization, and product validation.

#### **Role:**

- Responsible for validation of Project from kick-off to mass production.
  - 5G testing in an operator lab
  - Handling and tracking the market issues like network and modem crashes
  - Planning and executing the Field trails
  - Remote testing in different cities in India
  - Responsible for bug quality improvement of internal and third-party team members
  - People and manpower management
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### **Project Name: Android Testing and Scanner Prototype validation**

**Employer:** LnT Tech. Services Pvt. Ltd.

**Client:** Zebra Technologies, Bangalore

**Description:** Validation of Android-based Scanner devices and verification in different test environments with different types of scanners.

#### **Role:**

- Complete ownership of products from BETA stage to launch.
- Hands-on attitude on occasion to help develop and iterate tests & test methods.
- Learning new Zebra software product functionality, and developing validation plans to ensure product quality.
- Testing and validation of Android framework.
- Testing all system features like MDM(AirWatch/SOTI), Security Patch, Device Imaging (Fastboot, Recovery, MDM, StageNow), Firmware, OTA, MTP, PTP, WLAN, WAN, VPN, Zebra value add apps, multimedia, camera and more.
- Strong knowledge of Android versions, Architecture, and platforms.
- Strong Knowledge of Fastboot & ADB commands.
- Working in Agile Environment. Present results and conclusions back to project teams and senior managers.
- Verify and validate the completeness, accuracy, and reliability of Enterprise Mobile Devices software products.
- Product validation in LTE, VoIP, Networking, and IP Security Technologies.
- Good understanding of wireless technologies.
- Work with home and offshore team and coordinate projects.
- Deliver high-quality software products on a consistent basis.
- Handle the tasks of testing mobile wireless technology by applying standard testing procedures.

- Responsibilities of identifying and troubleshooting various Android OS issues.
  - Complete system testing of Enterprise Mobile devices from Beta state to after launch of products.
  - Assisted senior testing staff in the overall design, testing, and implementation of system testing environments.
  - Handled responsibilities of writing testing issues and verifying fixes for the same.
  - Assigned responsibilities of providing effective support in end to end troubleshooting.
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**Project Name:** Automation in LAB

**Employer:** LnT Tech. Services Pvt. Ltd.

**Client:** Intel Corporation, Bangalore

**Description:** Automation Testing for LTE project in LAB with CMW500. Testing includes CA, 2CA, 3CA of LTE + LTE projects test cases execution and validation of the device

**Role:**

- Execution of the test cases
  - Collect and compile the results and present to the development team.
  - Taking logs by passing Trace commands & filters and upgrading the device software using respective tools
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**Project Name:** Field Trials and first level Logs analysis

**Employer:** Mediatek India Pvt. Ltd.

**Client:** Mediatek, Taiwan

**Description:** Field Test for LTE project in various countries remotely. Testing includes finding functional issues with the protocol stack in various environments and RF conditions and raising tickets for the same with the captured logs for the scenarios. Also, the analysis of the logs is carried out to pinpoint the error-causing module in the protocol stack code and raise a rectification request to the development team

**Role:**

- Execution of the test cases in the field and Static Conditions
  - Collect and compile field test results and log files. Analyze log files and create error descriptions with high accuracy and follow up on errors found
  - Taking logs by passing Trace commands & filters and upgrading the handset software using respective tools
  - Involved in Planning, Conducting Test Suite writing & preparing documents to support Field Test Engineers
  - Log capturing and assigning issues to Engineers
  - Performing Manual Testing for Protocol and Performance testing.
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**Project Name:** LAB Testing

**Employer:** Mediatek India Pvt. Ltd.

**Description:** The project involves conformance testing for User Equipment in Week signals. Environment. Identification of Test Case Scenarios. Design Document Development related to the Test Cases. Scripting of the relevant test cases. Execution of the Test Case scripts & debugging

**Role:**

- Responsible for testing the User Equipment in Week Signal Environment using Attenuators (for varying signal) and Shielding box for LAB Test
  - Developing TTL scripts for related Test Cases
  - Responsible for validating the Automation Test Scripts
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**Project Name:** Validation of Issues for Customer Devices as Part of FTS Activity for different models across multiple platforms

**Employer:** Mediatek India Pvt. Ltd.

**Description:** Testing and development for LTE/GSM/WCDMA handsets Smartphone as well as feature phone in MTI, Noida with the target of delivering a Quality Product for subsequent Field Tests and Mass Production

**Role:**

- Regular interaction and Coordination with the h ODM team over the issues of upcoming or after-sales models, on quality-related problems
  - Support ODM team for solving problems in the testing handsets
  - Preparing documents to support Field Test Engineers
  - Performing Manual Testing for Application
  - Responsible for Defect logging, Log generation & Status Updating
  - Field Testing for Mobile handset
  - Providing support for customers regarding issues of Application and chipset of MTK
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**Project Name:** IOT support and validation of issues in RJIO

**Employer:** Mediatek India Pvt. Ltd.

**Client:** Reliance Jio., India

**Description:** Testing and IOT support for RJIO IMS/LTE network in RJIL, Mumbai with the target of delivering a Quality Product for subsequent Mass Production.

**Role:**

- Regular interaction and Coordination with RJIL team over the issues of MTK chipset on quality-related problems
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**Project Name:** Customer Issues

**Client:** itel/ Tecno/ Spice/ Infinix

**Description:** Handling and resolution of customer issues reported market

**Role:**

- Responsible for handling and providing resolution before the deadline.
  - Discuss market issues with after sales team and arrange the logs to analyze the issue.
  - Preparing reports for the market issues and sharing with upper management and to the sales team.
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**Project Name:** ODM Support in RJIO

**Employer:** Mediatek India Pvt. Ltd.

**Client:** HCT - Reliance JIO, India

**Description:** Give support to HCT ODM. Support in Field Trials and VIT testing

**Role:**

- Executing VIT cases and support in Field trails team HCT team.
  - Support in analyzing the logs of VoLTE and 4G.
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**Project Name:** Database Monitoring

**Client:** Spice Digital Ltd, Mohali

**Tools:** MS SQL Server 2000 & 2005, MySQL

**Description:** The purpose of this project is to Installation, Implementation, Administration, and Maintenance of Live Servers for various Telecom Operators. Establish sound backup and recovery policies for multiple databases

**Role:**

- Taking care of the Database design and implementation
- Implementing and maintaining database security (creating and maintaining users and roles, assigning privileges)
- Knowledge of writing BCP and SQLCMD. Creating & monitoring various SQL agent jobs
- Database migration
- Configuring the databases for high availability
- Create & Manage Sound Backups on daily bases

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**HONORS & AWARDS**

- Got Employee of the Month award in Oppo Mobiles for handling multiple projects along with 5G testing with Airtel Operator
- Got Star of the Quarter award in Transsion Holding for handling multiple projects at a time
- Got 3 times V-Award in Mediatek for handling multiple projects at a time
- In year 2004-05; represented Patiala zone in table tennis (Under-17) & got the first position
- Took part in Esparanza college fest & got the first position in LAN gaming

**WORKSHOP/ TRAINING PROGRAMS ATTENDED**

- Six Months of professional DBA Training from Spice Digital Ltd. Mohali, from Jan 2012 to June 2012
- Certification in J2SE (Java to Standard Edition) from NIIT
- Certification in C++ from NIIT
- 2 months of training in PHP

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**EDUCATIONAL QUALIFICATION**

| Degree           | Course         | University   | Passing Year | %age |
|------------------|----------------|--|--------------|------|
| B.Tech.          | CSE            | Desh Bhagat Engineering College, Gobindgarh (Affl. PTU)                | 2012         | 74   |
| Diploma          | CE             | Punjab State Board of Technical Edu. & Industrial Training, Chandigarh | 2009         | 69   |
| Senior Secondary | Vocational ECE | Punjab School Edu. Board   | 2007         | 75   |
| Higher Secondary | Science        | Punjab School Edu. Board   | 2005         | 60   |

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**PERSONAL VITAE**

**Date of Birth:** 20 July 1990

**Marital Status:** Married

**Passport Number:** K7862202

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