

Contact

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Top Skills

Embedded Systems

Microcontrollers

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Languages

English (Full Professional)

Hindi (Full Professional)

German (Limited Working)

Telugu (Full Professional)

Kannada (Full Professional)

Certifications

Bluetooth Qualification Consultant

Project Management Professional (PMP)®

ISTQB Foundation Level

Honors-Awards

University & District Topper in Engineering Entrance Examination with Rank 51 out of 300,000+ students

Top Evaluator in "InnoTrip"

Distinction Award

Distinction Award

Raghavendra Kamma, PMP, BQC

Engineering at Skyworks | Bluetooth Qualification Consultant | Project Management | Product Compliance | Product Conformance | Connectivity | Wireless | Consumer Electronics

Portland, Oregon Metropolitan Area

Summary

- PMP certified Project Management Professional, Bluetooth Qualification/Certification Consultant (BQC) & Compliance Subject Matter Expert
- Adept at Bluetooth Validation & Bluetooth Qualification/Certification as I'm a BQC, certified by Bluetooth SIG [previously referred as BQE-Bluetooth Qualification Expert]
- Have diverse experience leading multiple projects, Interoperability (IOP) testing & debugging, Validation & Quality, Certification, System and IOP testing on connectivity technologies like Bluetooth Classic, Bluetooth Low Energy (BLE), Wi-Fi, Apple CarPlay & Google Android Auto
- Experience in Consumer Electronics, Automotive, Healthcare, Telecom, IoT domains as wireless & connected technologies are indispensable in the modern world of communication
- Setting up new projects from scratch and leading them with globally distributed team
- Strong technical background combined with business acumen
- Business strategy formulation, client acquisition and go-to-market strategy for new connected products in the market
- Software development & testing (Process, Methods & Tools)
- Project/Program Management, Customer/Account Management

- Defining/deploying processes, new tools to ensure project success

Experience

Skyworks Solutions, Inc.

Engineering at Skyworks

April 2021 - Present (1 year 8 months)

Portland, Oregon Metropolitan Area

Helping build world class products at AI Solutions Business Unit

Bosch USA

3 years 4 months

Bluetooth Qualification Consultant (BQC)

November 2018 - December 2020 (2 years 2 months)

Greater Detroit Area

Bluetooth Qualification/Certification from Bluetooth SIG , Testing/Consulting

- Official Bluetooth Qualification Consultant (BQC) [previously aka Bluetooth Qualification Expert-BQE]
- One of the ~55 overall BQCs around the world certified by Bluetooth SIG & one of the ~10 BQCs in the US, I work in Qualification/Certification/Compliance topics for Bluetooth products.
- Checking products against qualification requirements (including testing requirements)
- Helping program teams (cross functional / divisional areas) in running and understanding the results of Bluetooth Profile Tuning Suite (PTS) testing.
- Creating Bluetooth certification test plans according to Bluetooth SIG
- Closely work with Bluetooth Qualification Test Facilities (BQTFs) for mandatory compliance tests of products
- Review and analyze Bluetooth product test reports and troubleshoot test results
- Act as an intermediary between Bluetooth SIG, Bosch and its suppliers for various product types across the world and help company to bring their products to the market on time by getting Bluetooth certification per timelines
- Qualifying Bluetooth designs and getting a QDID for those designs from Bluetooth SIG
- Assisting with product declaration process, Bluetooth SIG's audits, if there are any Non Compliances found in the audit, working on resolving those non compliances in agreement with Bluetooth SIG, maintaining compliance

folder, Qualification Enforcement Process (QEP), completing the qualification process, including product listings

- Attending UnPlugFests (UPFs) for achieving Interoperability of Bluetooth products while they are still in development stage
- Assisting members with completing the qualification process, including product listings
- Bluetooth official consultant to list products for different manufacturers
- Sales and Marketing for Bluetooth testing and qualification services
- Customer POC from quotation and project preparation to the final report
- Attending Bluetooth World events

Senior Software Engineer - Validation & Interoperability Test Specialist
September 2017 - December 2020 (3 years 4 months)

Greater Detroit Area

- Bluetooth Interoperability (IOP) & System Testing of products per Customer & Certification Body requirements
- Proficient Validation Knowledge in
 1. Bluetooth Classic - Host, Controller, Profiles & Protocols: HFP, PBAP, A2DP, AVRCP, MAP, PAN, HSP etc.
 2. Bluetooth Low Energy (BLE) - Host, Controller, Profiles & Services: GATT, BLP, CSCP, CPP, HRP, LNP, FMP etc.
- Investigate & Analyzing Bluetooth (HCI & Airlogs) & Wi-Fi logs at system level & finding root cause for the bugs
- Bluetooth-Wi-Fi Coexistence testing & analysis
- Development of test concepts, test plans & test cases
- Development of Automated Test Scripts using Python, ADB Interface
- Experience with Daily Build, Continuous Testing, Continuous Delivery
- New Project technical proposals, Proof Of Concepts, Market Research
- ISTQB & CMAP Certified Embedded System Professional with excellent skills in Connectivity testing
- Worked with Linux, Windows, macOS, iOS & Android OS

Project Management Activities:

- Lead the creation of project plans and work estimates
- Coach & mentor team members & help in the technical & professional growth of the team
- Define test goals & test strategies
- Proactively communicate & coordinate project activities with other teams
- Plan & build test infrastructure
- Track test execution & control achievement of test targets

- Be the point of contact for test topics to internal & external customers
- Control, plan & coordinate software testing activities
- Identify & proactively eliminate impediments for the validation team
- Communicate, discuss & escalate topics to all hierarchy levels

Tools used:

- Profile Tuning Suite (PTS), Bluetooth Protocol Analyzer/sniffers: Ellisys Bluetooth Explorer, Frontline/Teledyne LeCroy Soderia, ComProbe BPA 500/600, FTS4BT, R&S CMW270
- Frontline Wi-Fi Protocol Analyzer/Sniffer: ComProbe 802.11 a/b/g/n
- Vector CANoe/CANalyzer, MATLAB /Simulink, JAMBIT, Beagle USB 480 Protocol Analyzer, Apple Accessory Test System (ATS), Wireshark, JIRA, RTC, DOORS

Bosch

3 years 8 months

Senior Software Engineer

June 2014 - August 2017 (3 years 3 months)

Bengaluru, India

- Bluetooth Interoperability testing and debugging on various profiles and applications
- Testing Navigation & SmartPhone Integration (SPI) Technologies - Android Auto, Apple CarPlay, MirrorLink, mySPIN, Nissan Connect, iAPPS
- Testing Mobile Applications, Test Drives to assess Infotainment system performance during driving on areas Navigation, SmartPhone Integration, Tuner, Voice Recognition & USB
- Understanding, Analyzing and writing System Requirements based on Customer Requirements, Functional Test Plan Development and Verification • Close analysis & test case preparation
- Performing Peer reviews on Test Plans and Test scripts
- Software testing with good exposure in testing Consumer Electronics, Infotainment systems
- Investigating issues, defect reporting/logging, track and triage bugs
- Connectivity Testing, Regression Testing, Functional Testing, Feature Testing, Smoke Testing, Sanity Testing, Test Strategy Preparations, Test Case Design, Test Case Development & Execution of test cases

Senior Software Engineer

2017 - 2017 (less than a year)

Melbourne, Australia

Established a Connectivity Test Center / Lab for Bluetooth Technology in Melbourne, Australia

Student Intern

January 2014 - May 2014 (5 months)

Bengaluru, India

- Worked on Bluetooth Test Automation Framework for Automotive Infotainment Systems
- Responsible for implementing the Automation Framework in Python for Bluetooth Connectivity Testing

Bharat Sanchar Nigam Limited

Student Intern

June 2013 - July 2013 (2 months)

Mysore, India

Learned & worked on the following areas

- Wireless Communications
- Optical Networks
- Data Communication Networking
- Digital Switching Systems

Education

Portland State University

Master of Science - MS, Computer Science

PES Institute of Technology

Bachelor of Engineering - BE, Electrical, Electronics and Communications Engineering