Juhhan Kim

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Location: San Jose, CA (Open to relocate)

SUMMARY

Resourceful technical software engineer with a proven track record in commercializing tier-1 mobile/consumer products using Qualcomm Atheros wireless connectivity. Strong hands-on experience in all stages of product cycle, including requirements analysis, technical troubleshooting, sustenance as well as managed customer projects across Consumer/Mobile product involving Wireless Connectivity on Embedded Hardware/Software, Linux/Android/RTOS-based platforms.

EXPERIENCES

Qualcomm Atheros, San Jose, CA   *2017- 2023*
Senior Staff Customer Engineering   2017 - 2023
Staff Application Engineer   2012 - 2016

- Proven expertise in analyzing project requirements, debugging, troubleshooting, and providing post-launch support for multiple QCA wireless connectivity projects. Served effectively as both an individual contributor and a team leader, ensuring project success and client satisfaction.
- Responsible for customer-facing technical information for QCA discrete WiFi/Bluetooth solutions, including reference software package, factory test tools, technical guides such as bring-up, user guides, feature, and release documents hosted on the portal site.
- Served as the project Point of Contact (POC), fostering collaboration with Product Marketing, Core Software team, QA team, and regional FAE teams to fulfill customer project commitments, resolve customer-related issues, and ensure seamless execution.

- ✓ Hands-on expertise in wireless requirements analysis and technical troubleshooting in IEEE 802.11 (11a/g/n/ac/ax/be) and Bluetooth using Qualcomm wireless combo chips (QCA9377, QCA6174A, QCN7605, QCA6390, QCA102x, QCC206x)
- ✓ In-depth analysis of customer issues and performed troubleshooting, replicating, validating an issue either in the lab or at customer sites. Collaborated with cross-functional regional teams (India, China) including QA, HW system, and platform BSP team.
- ✓ Skilled in MAC layer operations, including scan/roaming, Bluetooth Coexistence, WFA Certification, Soft AP, P2P, Rate vs Range performance analysis, Dual/High Band concurrency, RF Testing, Peak Throughput optimization, Stability debugging, and generating customer technical documents or video clips.
- ✓ Experienced in wireless device driver layer porting, integration of QCA chips software, integrating the latest wireless software patches on Linux kernels like 4.4, 4.9, 5.10 for 3rd party platform.
- ✓ Provided Tier-1 customer project support for Google, Motorola, Amazon, Comcast (Sky) Set Top Box, Visio TV, Gopro Camera, Vivint camera projects, etc.
- ✓ Served as the North America technical project manager, reporting directly to the Director and Product Manager, providing technical assistance to Product Marketing. (2018-2023)
- ✓ Handled extensive customer communications and provided on-site customer support, including conducting technical sessions and demonstrating new features such as wireless motion detection, WPA3

easy onboarding, and antenna sharing.

Nokia Mobile Phones, San Diego, CA *2002 - 2011*
• Worked as a Senior Software Engineer and/or Team Leader, contributing to the development of end-user interactive applications main for carrier features. Also managed the entire software development cycle, ensuring efficient and timely delivery of high-quality software features.

Dual SIM, My Community phonebook Team Leader 2008-2011
• Responsible for software architectural design and implemented the feature as individual engineer.
• Designed Dual SIM software architecture, produced technical design and unit test plan documents as well as contributed to feature implementation
• Implemented EU carrier phonebook requirements - integrating contact's messages, call log and social updates in the main screen.
• Oversaw code changes from team members and coordinated the feature plan/execution/release with project stakeholders.

PTT(Push to Talk) feature Team, Prepaid phone(Tracfone) team, Lead SW engineer 2004-2008
• Integrated 3rd party PTT engine and user interface implementation and launched the feature.
• Managed the software release schedule and kept track of bug reports in collaboration with project stakeholders.
• Played a role in architecture designing for integrating the third-party libraries into the software.
• Led a 3-person team and designed a software architecture for the team to utilize the third-party's prepaid billing library within Nokia's software platform.

Messaging Team, Senior SW engineer 2002-2004
• Led a 5-person Messaging team, responsible for maintaining phone SMS&MMS message function and enhanced user interaction behavior based on major North America carrier requirements.
• Clarified North American ATT/Verizon/Sprint operator's requirements, architectural proposals, and led software design and feature development.

TECHNICAL SKILLS

Language: C/C++, Python, Embedded C   Operating System: Linux/Android/RTOS
Protocol: IEEE802.11, TCP IP/UDP, Bluetooth BR/EDR/LE
Debugging tool: Wireshark, Tcpdump, GDB, Trace32, Octobox Testbed, Litepoint IQxel, BT Ellisys,
                    Spectrum Analyzer, Qualcomm's tools(QXDM, QPST, Crashscope…)
Bug tracking: Salesforce, JIRA, Clear case, Confluence
Professional Training: Project Management, Agile process and Scrum

EDUCATION

CWNP (Certified Wireless Network Professional)'s CWNA(Network Administrator), CWAP(Analysis Professional) certified,
M.S. in Computer Engineering, Sogang University, S. Korea
B. S. in Computer Engineering and Minor in Business Administration, Sogang University, S. Korea