Rahul Jain   **+91-99101-84111**

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Certified Samsung Associate Architect   https://github.com/rahuljain81

Looking for leadership position in an organization of repute to employ my leadership and technology skills for achieving organizational goal in effective manner.

Summary of skills
- Visionary leader with 15 years of experience executing projects of large magnitude within strict schedule, cost & quality.

- Experience of managing cross-functional teams and globally distributed stakeholders in collaboration. Expertise in monitoring and measuring optimal engagement of team.

- Experience in agile methodologies having experience in software product development, research, and software service delivery.

- Experienced in making business proposals compliant to short/long term business strategy of organization and coordinating with stakeholders for resource and budget acquisition, planning and monitoring.

- Experienced in managing SDLC, ensuring operations stability of key processes, resource requirement and vendor/supplier management.

Professional Summary
- 15 years of professional experience in Full Stack – H/W, S/W and Cloud Service Development.
- **Market Release Features** – WiFi6, Screen Mirroring, Dex Mirroring, Google and Samsung Calendars.
- Experience in Amazon, Samsung and Google Cloud Services.
- Technical lead handling a team of people responsible for Connectivity of Smart TV.
- 6 years of experience in design & development in cloud services and connectivity.
- Android application Development cycle and published apps.
- Exposure to Algorithm and Data Structures.
- Open-Source Contribution.

Highlights
- Project Life cycle management   * Coaching and Mentoring
- Client Management   * Strong technical Acume

Specialties: C++,STL, C, AWS, WiFi Direct Protocol

Work Experience: Total: 15 Yrs. 8 Months
- 8+ yrs. at Samsung, Delhi
- 4 yrs. and 6 months at Broadcom (formerly NetLogic Processors India Pvt Ltd).
- 2 yrs. and 8 months at EMC Data Storage Systems Pvt Ltd

Current Profile:
- Staff Engineer at Samsung-Delhi (SRI-D).

Technical Skills
- Languages: C, C++
- RestAPI, C++ Boost Library, Glib, Lambda Services
- Tools: github, git, perforce, gdb, gcc, Omnipeek, Wireshark, DS-5 StreamLine
- Hands on Experience on AWS, Samsung and Google Cloud.
- Android Application Development (https://play.google.com/store/search?q=rahuljain81).

Professional Experience
March 2012 – Present
Projects @Samsung, Delhi
Skills: Samsung Cloud Interaction, Network Manager (Open Source Connman), P2P Connectivity
1. **Development of Google & Samsung Calendars**
    - Rest APIs and Server Side Services.
    - Fetching of Calendar Events and displaying reminders to user.

2. **Development and Maintenance of Connectivity (wifi and wifi direct) Modules for Smart TV**
    - Screen and Dex Mirroring Protocol development.

- Network Manager (Connman) module development.
- 802.11ax. wpa_supplicant

3. **Integrating of Wireless Drivers into DTV stack for Smart TV**
   - Understanding of 802.11n and WiFi Direct Specifications
   - WiFi Drivers register themselves with CFG80211 and USB SubSystem.
   - Features – Connect to AP, Screen Mirroring, DLNA, WoW
   - Performance Improvements (like CPU Utilizationm loading time)
4. **Adding support of Exfat Filesystem into DTV**
   - Understanding of ExFat FileSystem Specifications.
   - Knowledge of working of Linux FileSystem.

Sept 2007 – March 2012
Company   : NetLogic Processors India Pvt. Ltd.
Current Role   : Team Leader
Skills: Embedded C, Device Drivers.

Projects @NetLogic
1. **Implementing NetWork Driver for NetLogic Multi-Core Processor (Development)**
   - This is an ongoing project where network driver is to be implemented as a part of our sdk. The packets are received from MAC by CPU over Fast Messaging NetWork. The Driver receives it and gives it to linux stack.
   - Same path is followed during transmit also.

2. **IDS application development on NetLogic Multi-Core Processor (Development)**
   - IDS snort is used for benchmarking multi core processors.
   - Work involved understanding of the multi core chip architecture and porting the application to make best use of chip.

3. **Compiler for next generation Layer 7 IDS chips (Development)**

   - Involved in writing of compilers for IDS. Compiler involves parsing of the pcre format rules and putting them into data structures. There data structures where then compiled into a language which can be understood by the ASIC.

4. **Develop a s/w environment for pre- and post- silicon chip (Verification)**
   - Involved in developing a highly configurable, pseudo-random, multi-threaded control program (in C) that explored large test spaces
   - Using it with fast-path software and 3 different Layer 7 devices

Jan, 2005 – Aug 2007
Company   :   EMC Data Storage Systems Pvt. Ltd.
Projects @EMC

1   Networker Modules for Informix and Sybase (Development)
Skills:C,C++, STL
Platform:Solaris
Involved in development of modules for backup and recover of Informix and Sybase Databases. This product involved writing of PRD, SRS and SDS.

Academic Qualification

Qualification	Institute	Score
M.Tech (IT)	International Institute of Information Technology, Bangalore (IIITB)	CGPA 3.06/4.00
BE (Comp.Sc)	Bhilai Institute of Technology	75.96%
Senior Secondary	Ahlcon public School, New Delhi	80.40%
10th	APJ Noida	82.80%

Open Source Contributions ((giving back to community).

- WPA Supplicant:
    - https://w1.fi/cgit/hostap/log/?qt=grep&q=rahul+jain
- Connman (Network Manager)
    - https://git.kernel.org/pub/scm/network/connman/connman.git/log/?qt=author&q=rahul+jain

Patent – 1 A2 Grade (in process)

Published Apps: Coin Game SaveBirds

Interests and Hobbies
- Problem solving, Sports.

Personal Details
Father's name   : Mr. S.K Jain
Date of birth   : 31st December 1981
Address   : 100-B, Pocket-One Mayur Vihar Phase-One Delhi 110091 India
Sex   : Male
Marital Status   : Married
Passport No   : E-2374197
Blogpost   : https://rahuljain81.blogspot.com/