Jian Ding

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Key Technical Skills

1. 15 years experiences in network, including IMS Core Network, Radio Access Network and Enterprise Ethernet Switch.
2. Familiar with many network protocols, i.e. SIP, Radius, Diameter, H248, DHCP and TCP/IP related protocols, have general knowledge about 5G NR protocols, i.e. MAC, RLC, PDCP and SDAP.
3. 15 years network programming in Linux operating system.
4. 11 years experiences of C/C++ programming.
5. 3 years experiences of Java programming.
6. 4 years experiences of Erlang programming.
7. 4 years experiences on Git/Gerrit.
8. 4 years experiences of MySQL Database.

Work Experience

2017.7—present: As Senior Software Developer in Radio products in Ericsson (Sweden)

1. As a designer, join the development of RBC (Radio Board Controller) server, RBC server work together with RBC client to control the Radio Board.
2. As a designer, join the development of RICR (Radio Interface Control Remote), RICR is responsible for the management of CPRI interface.
3. Develop Environment: ***Git + Linux + C(Develop) + C++(Google Test) + JCAT(Java Common Auto Tester)***

2014.6—2017.6: As Senior Software Developer of MTAS product in Ericsson (Sweden)

1.MTAS is short for Multimedia Telephony Application Server.
It is Application Server (AS) within IMS to provide real time peer-to-peer communication services for subscribers.
2. As a designer in Charging team, responsible for the development of new features, TR fixing, answer JIRA tickets, documents update, Charging component improvement.
As a key designer, join the development of WP325 (Verizon Charging Enhancements) and WP404 (Verizon Charging Enhancements).
3. Develop Environment: ***GIT + Linux + C++.***
4. Protocol: SIP, Diameter

2010.2—2014.6: As Senior Software Engineer and Team Leader of SBG product in Ericsson (Shanghai)

1. SBG is short for Session Border Gateway.

SBG positioned at the border between different IP networks, it is deployed either between an access network and a core (whether IMS core or some other more generic core network), or it is deployed between the core network (IMS or other core) and the foreign network.

SBG provides the ability of correlating all signaling and media streams (such as audio and video) that pass the network borders.

SBG consists of two parts: Session Gateway Controller (SGC), which handles control plane signaling, and Media Proxy (MP) which handles media plane traffic.

2. From Feb 2010 to June 2010, go to Sweden to join the SBG training.
3. As team leader (7 persons/team), mainly responsible for the below features development.
    1) ESRVCC (Enhance Single Radio Voice Call Continuity) for AT&T
    2) Diameter Rx enhancement for KDDI
    3) SCTP IPv6 Support for KDDI
4. Develop Environment: ***Clearcase*** **+** ***Linux*** **+** ***Erlang*** **+** ***C***.
5. Protocol: SIP, H248, Diameter

2006.7--2010.2: As Software Engineer of MGC product in Ericsson (Shanghai)

1. MGC is short for Media Gateway Controller.

MGC is a node that provides the signaling level interworking function between circuit switched telephone network (PSTN) and packet switched multimedia networks.

MGC is adapting the session level signaling between the two networks and controlling Media Gateway (MG) nodes for setting media level connections between the circuit switched PSTN circuits and the packet switched media streams.

The Media Gateway is responsible for handling the media payload received from/to the PSTN network. All PSTN payload circuits terminate on a MG and its job is to adapt the payload carried on these circuits into IP packets, suitable for transport over an IP network.

2. From Sep 2006 to Apr 2007, go to Finland to transfer MGC product.
3. As software engineer, mainly responsible for the below features development.
    1) Advice of Charge feature development for TCOM
    2) Call Hold Service and SIP UPDATE feature development for TCOM
4. Develop Environment: ***Clearcase*** **+** ***Linux*** **+** ***C***++ **+** ***MySQL***
5. Protocol: SIP, ISUP, H248, Radius

2005.6--2006.6: As Software Engineer of Accton Technology Co., Ltd. (Shanghai)

Develop L2/L3 Ethernet Switch, mainly responsible for the maintenance and development of DHCP module.

Develop Environment: ***Clearcase*** **+** ***Vxworks*** **+** ***C***.

Meanwhile, study and familiar with TCP/IP protocols such as IP, TCP, UDP etc.

Education
Achieve Master degree of Computer Science at Shanghai Normal University in 2005.

Self Assessment
Passionate, good communication skills, good team player, highly interested in challenge

Hobbies
Running, Swimming, Tour

Honors
1. Achieve the excellent individual performance in the year of 2012.
2. Achieve the excellent team performance in the year of 2012.
3. Achieve the excellent team performance in the year of 2009.