Lorman Chen

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Birthday：1976/01/29　　　Gender：Male

Educational background

- Master (graduate), National Taiwan University, the Wireless Communications Telecommunications. 1999/9 − 2001/6
- Bachelor (graduation), National Taiwan University, Chemical Engineering. 1995/9 − 1999/6

Research Experience

- GPRS transmitter and receiver design, reduce the computational complexity while increasing accuracy 1999/9 − 2001/6
- Simulation of GPRS physical layer including transmitter、receiver and wireless time variable channel in C language. 1999/9 − 2001/6
- DEF / MLSE equalizer design and wireless channel estimation 1999/9 − 2001/6

Experience

- **IAC handset R & D Senior Manager Software (30~45)** **2001/7 - 2012/1**

  2001/07- Join IAC Taipei mobile software development team and be responsible for GPRS communication protocol

  2001/09- Go to United Kingdom for the training of mobile communications platform (TTPcom), software systems development.

  2002/03- Analysis of GPRS MAC / RLC / LLC and communication behavior including SNDCP

  2002/05- in charge of OKWAP KM6X Series, communication problem analysis

  2002/09- in charge of phone system boot process, LCM driver, Flash loader and embedded system stability analysis

  2002/11- Go to Singapore TTPcom company, analyzing and solving system halt problems when mobile worked on data communications

  2003/01- Assist China Beijing Test house on phone authentication problem

  2003/02- In charge of OKWAP A363 Feature phone product development, be the team leader of communication software team **(HR x7~x10)**

  2003/10- Helping on ODM Feature phone Product Development of another team, solving phone reboot problem together with TTPcom at UK vender office。

  2004/01- Solving halt problem of TTPcom platform(vendor design issue) when mobile is connecting to core network .

2005/07- Working on OKWAP i885 Linux Smartphone product development, take Project Leader(SW/ HW /ME) , production on 2006/9 。

2006/03- Working on Qualcomm 3G UMTS platform (HP Project msm6281 / msm6290 WinMobile phone x2)

2006/05- Be the function leader(FM) of Taipei communication department team, (~ 20 people)

2007~2010 – Working on new platforms of UMTS/CDMA2000 **WinMobile** product

    1. Moto MSM6281 + Marvell 312 UMTS 3G WinMobile phone x2

    2. Acer MSM/ESM 7225 UMTS 3G WinMobile phonex2

    3. Moto MSM7627 UMTS/Cdma2000 WinMobile phonex2

2009-2010 **Android OS development**

    1. Android Framework / BSP Linux Kernel driver (including RIL) study and analysis

    2. MSM7227 /7627/7225 Android 1.6/2.1/2.2 BSP porting for demo

    3. Marvel 312 Exhibition guide machine Android 1.6 development

2010   Pandigital ebook on Samsung 6410 with Sierra EDGE module on Android 2.1

2011   TI OMAP4 tablet on Android 2.3.4 with 3G module (to end of 2011)

2011   Qualcomm 8260A/8960 HSPA+/LTE android smart phone develop (to 2012)

- **New platform technologies Compal Inc. Director (LD/DD)(55~75)**   **2012/1 - 2015/e**

  2012/1 - 2012/12   Deputy Director of the new platform technology

  1. Team build and working new platforms & technology development
  2. Execution of customer production , Tablet (android / Windows metro)
  3. System optimization of existing products (NB/Tablet / mobile) ,including power saving / system performance / boot up & down time reduce.
  4. By creating WWAN Cell positioning algorithm, calculating core-cell location on the Amazon / GAE (Iaas / PaaS).
  5. Establishment of the company WWAN 3G/LTE SW development team and build factories RF tools and processes in china factory.

2013/1 ~ 2015end   Director of the new platform technology & Advanced software division (~100)

1. Customer Android 7" tablet (ODMx2,EMSx1) , AIO x1, WinRT x3 /Android x2(WWAN)
2. CES / Computex Demo project x4 (Android tablet x4, App x4)
3. Establish Enterprise DropBox-like cloud storage under Openstack for Division usage and campus cloud storage for THU university
4. Android TV dongle development
5. SW development of wearable device on both App and RTOS FW.
6. Create SW IoT Engine on TI / Respberry Gateway working with Cloud Service on AWS / Openstack(IaaS)- **2014-2~2015-8**
   - Interoperability with main stream IoT plaform – Google nest 、Apple homekit 、Samsung Smartthing、Qualcomm AllSeen and Compal legacy devices
   - Porting IoT standard of LWM2M 、CoAP 、 XMPP 、MQTT
   - Low power and range connectivity , Google thread 、Zigbee、BLE and Wifi low power.
   - Working on Compal office power saving 、smart home automation demo lab
7. EU telcos Road show of IoT service GW/Cloud with the SW engine , including DT 、Buyin、O2 、 A1 and Vodafone – 2015/8

2016/1 ~ now   CTO of Canlead international group

1. Leading UX/UI design / RD / Operation functional teams for B2B projects executing (around 200 projects per years)
2. Developing Uber-like system for upgrading airport car business (b2b) to b2c market.
3. Migrating system to AWS / GCP for new cloud architecture including docker container and swarm-cluster
4. Business Data tracking & analysis , continue opt database-design.
5. Re-design tech teams from support - driven working model to new BZ/platform driven company.

6. Developing AI-bot customer service for sharing loading of our customer service center operation.

2017/1 ~ 2019/6　CEO of idanbean co.

1. AWS MSP bussiness
2. 易合團平台建立
3. 票卷系統方案建立
4. 郵局、瓦斯平台代開發

2019/1 ~ now　GM of Cheerlife

1. Migrate 易合團　to Cheerlife
2. 計步累點、周配、物流、IVM 、團購、金流　for developing Cheerlife bz.
3. (MSP Business) K8s /DevOps / Billing Optimization System / MicroSerivce / Serverless Service / Graphql Design on AWS and Azure / GCP

Skills

- GPRS physical layer simulation
- Wireless Communication
- GPRS receiver design
- DFE、MLSE equalizer
- Wireless channel estimation
- Wireless time variable channel simulation
- CDMA / WCDMA
- Queuing Theory.
- Statistical Communication Theory Communication Systems Signal Processing
- Speech Signal Process
- Digital Signal Process
- TTPcom & Qualcomm 2/3G embedded platform development
- Communication training for software developers
- Communication Team Organization and Management
- integrated tool development platform
- 2/3G protocol analysis
- Embedded mobile system 、Driver development
- Phone RF calibration tools development
- Phone Downloader development
- Phone system debugging tools development

- RIL Interface design and bug analysis

- Android framework/APP and Linux kernel Drivers development (including WWAN)

- Google C2DM / Web App talk with Android application development

- Android 1.5/1.6/2.0/2.1/2.2/2.3 Connection Manager(Wifi / 3G / BT) and Sensor Manager Analysis

- Android smart phone and tablet development.

- Android / WinRT tablet(Wifi and LTE) development

- IoT platform design including Gateway / Cloud Service

- Main Stream IoT alliance analysis and interoperability.

- IoT: Device manager(LWM2M), Message bus (XMPP, CoAP),Connectivity (Zig bee), Cloud service over openstack

- Docker container with devops on backend / frontend services, scaling and HA..)

- Uber-like car platform development and operation(golang / php/ nginx /caddy / nodejs…)

- VIP services for banks (including ux/ui design with backend api and operating data tracking / analysis)

- K8s /DevOps / Billing Optimization System / MicroSerivce / Serverless Service / Graphql Design on AWS and Azure / GCP