

Richard Liqun He

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A highly motivated, enhanced experienced individual with strong comprehensive technical support skill in Telecom Industry, Power Energy Management

Status: US Citizen

SUMMARY OF QUALIFICATIONS

- UL standard 60950-1/NFPA 70 /FCC regulation consulting for Power Energy Management System (Green Energy).
- Many years of tech support for Telecom LTE, CDMA2000 1X-EVDO, UMTS, WiMax, GPON, DSLAM, IPTV system of Tier 1 US carriers including AT&T, Verizon Wireless, GSI, Gogo Inc, Commnet Wireless, Etc. Strong experience on OMC, Network Planning Optimization.
- Management Global CRM system and work with Europe simultaneously.
- 20 years of software/hardware development experience in Semiconductor Industry and Telecom Industry.
- Broadband DSLAM, Home Gateway, VOIP, GPON tech support.
- Extensive skill of System Engineering & Industrial Engineering methodology.
- Enhanced experience on project risk management.
- Good oral and written communication and presentation skills.

TECHNICAL SKILLS

Computer Languages: CC++, C, Visual Basic, Java, and Assembly, Active X, XML, Auto CAD, Pro-E, Solid Works.

Hardware: All telecom wireless base station hardware and semiconductor hardware. HP servers, DELL servers, Cisco network device, Juniper network device, Allied Telesis.

Systems: VMW, cloud computing, Cisco switch, Juniper Switch, F5 switch.

Specialties: Versatile talent in the telecom industry & semiconductor industry.

PROFESSIONAL EXPERIENCE

Aug. 2012 – Jan. 2014

Compliance Engineer

Cyber Switching, a division of C.H. Reynolds Electric

San Jose, CA

- Work with design team to have new products get UL/FCC certification.
- Provide safety design guider to R&D design team based on UL standard 60950-1/NFPA70 / FCC.
- Provide technical support for the company outsourcing manufacture process.
- Write some procedures based on ISO 9001/TL9000 standards for outsourcing manufacturing process.
- Provide Power Grid network calculation consulting to software design team.

Sept. 2005 – Sept 2011

Post Sale Engineer

ZTE USA Inc.

San Jose, CA

- Conduct pre qualification of subcontractor for all telecommunication equipment installation, commission, and APT including CDMA 1X EVDO, BTS, MSC, BSC.MGW, MSCe HLRe.
- Manage CDMA wireless project during installation, commission and APT; also including tech support related to these processes.
- Provide tech support of DSLAM, Router CPE, Home Gateway, GPON, WiMAX broadband, and LTE project.
- Perform and support GoGo projects which enable use of cell phone & WiFi on plane during flight which is new technology.
- Do tech support project of DSLAM for French Telecom in US.

1999- 2005

Engineer

Micro Lithography Inc.

Sunnyvale, CA

- Design and modify the system so that FTP Film Thickness Probe can measure the film thickness direct on the wafer during film production process.
- Upgrade the system with FTP Film Probe Thickness Probe direct on the wafer so that it can detect film thickness on the wafer right after coat process without interfering with peeling process. It provides the tool to analyze the film thickness at different process stage.
- Modify Liquid Coating Machine –special equipment for Pellicle Production. The machine has very high mechanical accuracy requirement.
- Design and modify Auto coat Machine including 4 Cyque Robots, 2 sets computers, 2 sets CTC Controller, 4 sets PLC, 4 sets coat Motors, 4 set IA Arm with DS controllers, Heat and Cool machine, HP UV Scan Machine & Peeling Machine. The auto coat system is to produce film for Pellicle.
- Design UV curing system with Intelligent Actuator
- Design 3 positions Liquid Coating Machine with automatic glue compensation unit, including electrical circuit, mechanical and program.
- Design and implement the project that protects the plastic ring in the peeling machine so that wafer will not be damaged.

1992-1997

Engineering Staff

ARS Electronics

Van Nuys, CA

- Design, test and build customer specified electronic equipments and products.
- Direct inside sales in US market and international market. The main product is avionics for Top 500 US companies and small airline companies.

1988-1990

Research Assistant

Georgia Institute of Technology

Atlanta, GA

1987-1988

Visiting Fellow

University of New South Wales

Sydney, Australia

1986-1987

Assistant Professor

Dept of System Engineering, College of Business & Management

Shanghai Jiao Tong University,

Shanghai, China

Education:

1988-1991

Ph.D. program

Georgia Institute of Technology Atlanta, GA

1988-1991

Georgia Institute of Technology, Atlanta, GA

- MS, Industrial Engineering ; Minor in Computer Science

1983-1986

Shanghai Jiao Tong University, Shanghai, China

- MS, Electrical Engineering, System Engineering and Computer Science

1979-1983

Shanghai Jiao Tong University, Shanghai, China

- BS, Electrical Engineering and Computer Science