

Liang Rong

SOFTWARE ARCHITECT · GLOBAL TECHNICAL LEAD

☎ (+86) 134-5197-9182 | ✉ csulrong@gmail.com

Education

Central South University

Changsha, Hunan

M.S. IN CONTROL THEORY AND ENGINEERING

Sept. 2005 - June 2008

- Published 8 scientific papers in International conferences and journals: https://www.researchgate.net/profile/Liang_Rong/publications.
- Best Master Dissertation of Hunan Province.

Central South University

Changsha, Hunan

B.S. IN COMPUTER SCIENCE AND TECHNOLOGY

Sept. 2001 - June 2005

- Winner of excellent graduation thesis: rank #1.

Skills

PROGRAMMING LANGUAGE

- Fluent in Linux C and Python.
- Good understanding of C++, Java, Tcl and Object-orient programming.
- Familiar of data modeling languages: JSON, YAML, XML.

CLOUD

- Develop experience with OpenStack Neutron and Designate projects.
- Develop experience on IBM Bluemix Cloud.
- Good understanding of IaaS, PaaS, and SaaS.
- Good understanding of RESTful design, Cloud Native, Microservice, Serverless, Immutable Infrastructure, Auto Scaling, NoSQL, etc.
- Familiar with some other cloud platforms: Cloud Foundry, Docker, Kubernetes, etc.
- Familiar with some virtualization technologies: KVM, VMware, etc.

DEVOPS & MASTERING TOOLS

- Experience with Docker, Vagrant, Ansible, Git and Jenkins to build the full chain of DevOps.
- Experience with troubleshooting tools such as GDB, PDB, Tcpdump, Valgrind, etc.
- Experience with Git, SVN, and RTC version control systems.
- Familiar with a variety of documentation tools: \LaTeX , MS Office, Markdown, ReStructured Text, etc.

NETWORKING TECHNOLOGY

- Solid understanding of Ethernet switching and TCP/IP protocols.
- Develop and research experiences top-down TCP/IP stack.

English

- Fluent in writing and reading documents.
- Average oral English.

Work Experience

Cloud Network Services, IBM

Shanghai, China

SOFTWARE ARCHITECT & GLOBAL TECHNICAL LEAD

Dec. 2012 - Present

- Lead the architecture design and implementation of GSLB service on IBM Bluemix cloud.
- Lead the architecture design and implementation of DNS service on IBM Bluemix Cloud.
- Lead and Deputy People Manager of IBM China SDN/NFV appliances development team for DHCP/DNS, VPN, and IDS/IPS appliances.
- Design and implement the Layer 2 VLAN & Q-in-Q for IBM Next Generation switch OS.
- Develop a self-inspired innovation on automation testing benchmark and educate team to use the platform.
- Lead the internal Eagle technical virtual team to track the state-of-the-art technologies in networking and cloud.
- Filed 6 patents and IDT review board member.

Centec Networks

Suzhou, Jiangsu, China

SENIOR SOFTWARE ENGINEER & ASIC ARCHITECTURE DESIGNER

Dec. 2007 - Dec. 2012

- ASIC architecture research and design w/ a wide variety of hardware implementation of features across ACL, QoS, Data Center Virtualization, SDN/OpenFlow, and algorithms on Dynamic Load Balancing (DLB), Packet Classification, Long Prefix Matching (LPM), and Hierarchical Metering.
- SDK development of ACL, QoS, H-QoS, CPU Traffic Protection and Statistics for new generation of switch chips.
- System software development of ACL, Statistics, QoS, H-QoS features on Ethernet switches.
- Filed 3 patents.