

## Yongjun Rong

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## EDUCATION

**Jun.,2006, Master of Computer Science, Texas Tech University, Lubbock, TX, USA**

**Feb.,1996, Master of Engineering, Shanghai JiaoTong University, Shanghai, China**

**Jul.,1991, Bachelor of Engineering, Changsha Railway University, Changsha, Hunan, China**

## SUMMARY:

A lead architect engineer with strong hands-on digital transformation experiences in finance industry to migrate on-premises legacy monolithic tightly coupled system to cloud-native Microservices loosely coupled system and refactor strong synchronous ACID relational data consistency system to asynchronous event driven architecture (EDA) eventual consistency system, designed and implemented Internet scale cloud-native and hybrid enterprise system for financial/insurance and tele-communication industries. A full stack lead software engineer with emerging technologies worked as lead architect engineer, lead developer, lead DevOps engineer, senior system/network engineer for Barclays, Oracle, Comcast, IBM and Sun with over 20 years professional experiences focusing on back-end distributed system architecture design and implementation, system/network administration, infrastructure automation/orchestration. A tech lead and player with excellent verbal and written communication skills engaged in small or large team with agile methodology. A hard worker, who will bring valuable experiences, knowledges/skills and expertises to the team's success, is looking for enterprise architect, technical architect, cloud infrastructure architect or tech lead opportunities within Metro Philadelphia area or allowing work remotely.

## SKILLS:

- Enterprise Architecture for large Finance/Insurance/Telecommunication organization (Strategic technology Domain, Distributed system, Microservices, EDA, streaming processing, integration, message transportation, architecture handbook, ServiceFirst)
- Digital transformation architecture engineering from on-premises legacy monolithic tightly-coupled system to cloud-native distributed loosely-coupled system (AWS, JEE, SQL, NoSQL, Microservices, CAP, BASE, Clean Architecture)
- Cloud infrastructure Design, Implementation and Automation (AWS/GCP/Azure, EC2 Lambda, S3, RDS, DynamoDB, VPC, API Gateway, ELB, R53, PrivateLink, ECS/EKS, IAM, Docker, Terraform, Kubernetes, Serverless, IaaS)
- Cloud/On-premises infrastructure DevOps/System/Networking administration Automation and Orchestration(AWS, Docker, Kubernetes, Terraform, Chef/Puppet/Ansible, CI/CD, GIT, Maven/Gradle, Linux HA, SAN, Ruby/Python/Bash, Nexus/Artifactory, Jenkins/Bamboo)
- SaaS Enterprise Application (ERP/CRM/Accounting/HR) Integration (EAI) Architecture Design and Implementation (AWS, VPC Endpoints, PrivateLink, SOAP/REST, WSDL/XML/JSON,)
- Internet scale loosely-coupled high available/scalable enterprise Microservices system design, development and deployment (Java, SpringBoot, Istio, Node.js, lambda, Rest/JSON, CQRS, event sourcing, kafka, EDA)

## HOBBIES

- Pingpong (ITTF Score around 1200)
- IoT or Robot programming (Have iRobot and MIPOSaur at home. Programming against iRobot create SDK and MIPOSaur SDK.)
- IOS/Andriod Apps Development (Developing a Chinese charater learning App)
- Playing with cutting-edge technologies (Docker, Go, Kafka, Kurbernets and Amazon Cloudformation, JavaScript, AngularJs, ReactiveJs, Node.js)

## WORK EXPERIENCE SUMMARY:

Employments	Major Accomplishments & Technologies
Jun.,2017 – Current <b>Barclays</b> Wilmington, DE,USA <b>VP,Lead Architect Engineer</b>	<ul style="list-style-type: none"> <li>• Delivery Lead for strategic distributed system technology domain</li> <li>• Group-wide Cloud Adoption for Contact Center, Merchant Services and Fraud</li> </ul> <p>Microservices, CQRS, Event Store, Event Driven Architecture (EDA), Kafka/ActiveMQ/IBM MQ, Kafka Stream, SpringBoot, Docker, AWS(EC2/IAM/S3/ECS/ELB/Lambda/RDS/VPC/R53/Security/AutoScaling..etc), Kubernetes/Terraform/Puppet/Chef/Ansible, Git/Maven/Jenkins/Bamboo, Python/Ruby/Scala/Bash/Go, ELK/AppDynamic, DynamoDB/MongoDB/ElasticCache/Gridgain, Linux/Windows/AIX/Solaris, aPaaS/VMWare/Cytrix,</p>
May, 2014 – June, 2017 <b>Oracle</b> Redwood, CA (WFH@NJ),USA <b>Lead Software Engineer</b>	<ul style="list-style-type: none"> <li>• Docker Swarm/Compose/Stack CD/CI Test Environment for Cloud SDK/APIs/Connectors</li> <li>• Cloud Enterprise Applications Integration(EAI) connectivity SDK/API plugin framework for Oracle SOA Suite</li> <li>• Oracle Fusion Applications (FA) Business Event/Message-Driven Connector Framework</li> </ul> <p>Java, SOA, Web Services, SOAP/WSDL, REST/JSON/XML, XSchema/XSD, DOM, WSDL4J, SDK, API, MVC, Docker, Cloud, Amazon EC2, NoSQL, GIT, Maven, Junit, SoapUI, IaaS, SaaS, AWS,</p>
Oct. 2010 – Apr. 2014 <b>Comcast T&amp;P</b> Philadelphia, PA,USA <b>Senior Cloud DevOps/Infrastructure Automation Engineer</b>	<ul style="list-style-type: none"> <li>• AutoBuild System for Build/Release more than 200 Microservices projects with GIT/SVN/Maven</li> <li>• Configuration management and deployment automation with Puppet and Capistrano</li> <li>• Continuous Integration (CI) and Continuous Deployment (CD) with Bamboo and Jenkins</li> <li>• Performance Monitoring System for Jetty, JVM, Linux and Splunk</li> <li>• Secured FTP server with virtual users and admins users with complex access permissions</li> <li>• BOM (Bill Of Materials) Administration and Management Application (BAMA) Enhancement and maintenance</li> <li>• Two Steps bare-metal Linux bootstrap system for HP Servers</li> <li>• Linux HA for Git Repo(Gerrit) and Maven Repo (Artifactory/Nexus) Servers</li> <li>• Automation scripts and tools for DevOps</li> <li>• CoreOS and Docker prototyping and testing</li> <li>• SDLC process management and junior team member training and mentoring</li> </ul> <p>DevOps, Automation, Docker, CoreOS, Ruby, Ruby on Rails 3, Bash, SDLC, GIT, Maven, Jira/Confluence, Bamboo/Jekins/Hudson, Nexus/Artifactory, Gerrit, CI/CD, Performance Monitoring, Splunk, JMX, Capistrano, PXE/TFTP, DHCP, DNS, Cobbler, Centos, MySQL/PostgreSQL, NoSQL, Cassandra, RabbitMQ, JMS, LDAP, SSO, Metrics, Graphite, Agile, RPC, Cloud, Clustering, Linux HA, HAProxy, Pacemaker/Corrosync/Cman, SAN, GFS2, RAC, Volume Manager,</p>
Nov. 2006 – Oct., 2010 <b>Boomi Inc.</b> Berwyn, PA,USA <b>Senior Software Engineer</b>	<ul style="list-style-type: none"> <li>• Boomi On-Demand Business Integration Cloud Service</li> <li>• Cloud Platform/Infrastructure Design and Implementation for Boomi On Demand Production Environment</li> <li>• Desktop Accounting and ERP Enterprise Applications Integration (EAI)</li> <li>• Amazon EC2 and S3 SOA HA Environment</li> <li>• Setup Development, Build and Deployment Environment for QA, Staging and Production Environment</li> <li>• Research virtualization technology and implement Virtual Machines using VMware server and workstation</li> <li>• Java to C/C++, DLL, COM/COM+/DCOM/.NET Integration</li> <li>• SaaS system integration</li> <li>• SAP system integration</li> </ul> <p>Java, SOA, IaaS, PaaS, EAI, XML, XSD, JAXB, JavaScript, .NET, EC2, S3, EBS, REST, SOAP, WSDL, SaaS, SAP, BAPI, ABAP, MySQL/PostgreSQL, Maven, SVN, JVM, JVM GC Tuning, Apache Lucene, Apache Solr, VMWare, Cloud,</p>
Jun., 2006 – Nov.,2006 <b>Vantage learning</b> Newtown, PA,USA <b>Senior System Engineer Manager</b>	<ul style="list-style-type: none"> <li>• Large scale SOA e-learning system architecture design and blueprinting</li> <li>• Large Data Center Design and Administration</li> <li>• Sun SPARCStorage SSA Array 100 and Sybase SQL Server (10.x, 11.x) Data (DB schema, data and Stored-Procedure) Recovery</li> <li>• Ecommerce Open Source Software installation and Configuration</li> <li>• Resin Application Server Distributed Session Design and Setup</li> </ul> <p>Linux, Centos, SOA, Java, .NET, Network, VLAN, Router, Firewall, Load Balancer, SOAP/WSDL, MySQL/PostgreSQL, Struts, Disk Array, Fedora, Redhat Linux, LAMP, eCommerce, SQL,</p>
May, 2002 – Jun.,22,2006 <b>Computer Science, Texas Tech University</b> Lubbock, Texas,USA <b>Senior Programmer/Analyst and Unix System Administrator</b>	<ul style="list-style-type: none"> <li>• Unix network System and Software routine maintenance</li> <li>• Setup Veritas Netbackup System with RAID0/1/5 and Tape Library</li> <li>• Setup LDAP, Kerberos KDC and Cross-Realm system</li> <li>• Migrated email system from UNIX mail server to Windows Exchange Server</li> <li>• Secured Postfix SMTP server with SASL Authentication and Verification</li> <li>• Installed AIX 5.1 and configured NIM on IBM RS6000 (10x 7043-140 boxes and 1x 7024-E30 box)</li> <li>• Deployed Globus Toolkit3.2.1 (OGSA/OGSI) Grid Computing Environment on Solaris 9(3 boxes) and Linux (3 boxes)</li> <li>• Setup Jumpstart Environment for Solaris 9 and Solaris 10</li> <li>• Designed and Implemented the Single Sign-On (SSO) for Unix and Windows Environments</li> <li>• The Migration from NIS+ to LDAP for Solaris</li> </ul> <p>JAVA, C/C++, GCC, GNU Make, perl, LADP, NFS, SSO, Kerberos, SSL, SMTP, Email Sever and Client, Solaris, AIX, Mac OSX, Linux, Windows Server, PAM, RAID, SCSI, Veritas, TFTP, RARP/ARP, Bootparamd, DHCP, Postfix, PostgreSQL, NIS/NIS+,</p>

<p>Aug.,2002 – Jun.,2006  <b>Computer Science, Texas Tech University</b>  Lubbock, Texas,USA  <b>Master Student</b></p>	<ul style="list-style-type: none"> <li>• Master Thesis: A Service Wrapping and Provisioning Framework for SOA</li> <li>• GIS Project: A Yield Mapping and Prediction Information Delivery System</li> <li>• Independently finished practical course projects list</li> </ul> <p>Java, C/C++, GCC, Gnu Make, Linux, Linux Kernel, GIS, Ant, Struts, J2EE, UML2, MVC, Maven, PostGIS, PostgreSQL, Solaris,</p>
<p>Apr., 2000 – May, 2002  <b>Technology Development Center, Sun Microsystems (China) Co.,Ltd.</b>  Beijing,P. R. China  <b>Senior Software Engineer</b></p>	<ul style="list-style-type: none"> <li>• Java Message Service(JMS) Prototype Application</li> <li>• Remote Learning Management Platform (www.ambow.com)</li> <li>• Bao Steel B2B Website (www.bsteel.com)</li> <li>• Project Management Tools</li> </ul> <p>Java, J2EE, JMS, EJB, Servlets, JDBC, Message-Driven Bean, LDAP, SQL, Weblogic, OOA/OOD, UML, MVC, Oracle DBMS, Java IDL, RMI, CORBA, JNDI, Solaris, CVS, Ant,</p>
<p>Aug.,1998 – Apr.,2000  <b>IBM China Research and Development Lab</b>  Beijing,P. R. China  <b>Software Engineer</b></p>	<ul style="list-style-type: none"> <li>• Credit Card Internet Online Payment System</li> <li>• Jiro/Jini-based Storage Management System</li> <li>• Handwriting Recognizing System</li> </ul> <p>Java, J2EE, C/C++, Servlets, WebSphere, SSL, JDBC, Windows NT, SAN, POS, JNI, DB2,</p>
<p>Apr.,1996 – Jul.,1997  <b>North China Institute (Taiji Computers Corporation)</b>  Beijing,P. R. China  <b>System/Network/Software Engineer</b></p>	<ul style="list-style-type: none"> <li>• System Engineer,IBM Service Center</li> <li>• Software Engineer, HUAXU Golden Card Co.Ltd.</li> <li>• Large scale Network System Design and Administration</li> </ul> <p>C/C++, Assembly, Network Design, Router, Switch, VLAN, AIX, Disk Array, SSA, RAID, Volume Manager, IC, RIP/OSPF, Ciso IOS,</p>
<p>Jun., 1991 – Sep.,1993  <b>Yongji Electrical and Motor Factory</b>  ShanXi Province,P. R. China  <b>Mechanical Engineer</b></p>	<ul style="list-style-type: none"> <li>• CIMS and FMS CAPP/CAD/CAM manufacturing Automation application development</li> </ul> <p>C/C++, AutoCAD, CAD/CAM/CAPP, CIMS/FMS, DOS,</p>