

# Leo Wang

## Global Head of IT and technology - STATS LLC, Stats Perform LLC

Wilmette, IL

- Email me on Indeed: <http://www.indeed.com/r/Leo-Wang/c7ef7699268cf7ff>

Self-motivated, strategic and result-orient technology leader with progressive experience across broad range of technology and industries. Hands-on technologist with strong IT technical management background and has passion on technology innovations. Piloted on proof of concept for immersing technologies focusing on Big data, Micro Services, Cloud Native, Site Reliability Engineering and AI/ML Engineering. AREA OF EXPERTISE

- Cloud Transformation • Big Data • Enterprise Architecture
- IT Management • Project Management • Multi-site operations
- Decision-making • Team Management • Technology Innovation

Authorized to work in the US for any employer

## Work Experience

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### VP of Engineering and IT

STATS LLC, Stats Perform LLC - Chicago, IL

July 2018 to October 2019

Oversee AI Data Engineering Teams and IT projects. Later transitioned to led global IT and focusing on Stats Perform TSA/Integration, IT synergy saving target and cloud platform development post Stats/Perform merge.

#### Key Achievements

- Successfully migrated 1800+ O365 users from Perform to Stats tenant within one month with extensive communication and onsite support campaign for smooth user experience transition.
- Evaluated global IT resources and drafted a viable organization plan that can meet 30% synergy target
- Completed AWS cloud integration between Stats and Perform group
- Completed new Data center build out plan for workload that can't be migrated to cloud
- Created engineering and IT performance transparency by implementing a serial of metrics driven process and developed necessary PowerBI reports.
- Ensured architecture best practices are followed through Architecture Review Board
- Enhanced Data API SLA transparency by implementing Prometheus/Grafana dashboards for Mashery APIs
- Provided clarity for Engineering team on data product architecture vision and roadmap
- Increased AWS data engineering productivity with AWS Big data immersion day event
- Accelerated cloud adoption with AWS platform built out
- Reduced email Phishing attack success rate through Phishing training and communication
- Rationalized systems and reduced 30% of Oracle database environments, 25% of O365 license costs.
- Reduced 10% IT budget through due diligence of tracking each IT budget cost items
- Enhanced O365 user account security by rolling out MFA for whole firm with internal support campaign
- Led the business continuity effort and completed Disaster Recovery Data center build out

## **Executive Director, CCB Cloud Enablement Lead**

JPMorgan Chase - Chicago, IL

June 2017 to November 2018

Chicago IL. Jun 2017 - Nov 2018

A leading global financial services firm and one of the largest banking institutions in the United States with operations worldwide.

Executive Director, CCB Cloud Enablement Lead

Provided cloud technical leadership role for consumer and community bank and focusing on public cloud enablement and hybrid cloud solutions.

Key Achievement

- Accelerated Big data cloud adoption for global technology through EMR enablement efforts. Completed security and regulation requirement analysis with Cyber team. Released EMR service catalog product for non-interactive use case. Evaluated EMR application use cases and provided architecture guidance through on-boarding process. Successfully on-boarded a CCB AI big data use case using EMR. Contributed to other big data service enablement efforts, such as Redshift, Athena, DynamoDB and S3.
- Expedited CCB public cloud adoption and successfully onboard 15 public cloud applications. Represented CCB on Firmwide cloud migration committee to move forward CCB migration cases and help Firmwide service enablement roadmap. Provided cloud design best practices guidance to CCB architects and engineering team leads through tech talks. Designed cloud migration decision tree to guide Engineering teams for cloud migration. Evaluated each one of CCB public cloud migration cases and worked through Engineering team to refactor application properly for successful on boarding. Provided architecture supported for credit card payment API public cloud PoC effort.
- Led cloud native initiative for CCB. Partnered with firm wide Kubernetes platform build out. Migrated an AI as service application using container service. Evaluated EKS, ECS and ECR enablement feasibilities. Built Kubernetes test environment.
- Adopted new cloud operation model, joined SRE initiative and supported SRE cloud stack implementation.
- Accelerated cloud adoption for Chicago Hub. Organized AWS Immersion day for Chicago employee with more than 500+ employee attendance. Led cloud meetups and study group for Chicago Hub.

## **Sr Director, Head of cloud computing and compute**

Motorola Solutions - Chicago, IL

January 2016 to May 2017

Chicago IL. Jan 2016 - May 2017

A Fortune 500 company that is Global leader in mission-critical communications products, services and solutions for public safety and commercial customers around the world.

Sr Director, Head of cloud computing and compute

Provided strategy, direction and subject matter expertise for enterprise compute and cloud strategy and was a key partner to senior business and IT leadership. Led the entire portfolio of cloud computing services. Managed compute and cloud related projects, such as cloud migration, data center consolidation, storage refresh and other projects

Key Achievement

- ----- Executed firm site relocation strategy and completed cloud transformation. Successfully migrated 158 applications within a year; Completed DC consolidation within 6 month and 50% under budget;

- Optimized compute tower budget for MSI and saved over \$2 million dollars through cost avoidance and project optimization.
- Improved speed of cloud migration, cloud native design and cloud operation. Provided technical guidance on cloud migration and cloud architecture; Pilot the development using AWS Alexa skill service with lambda function; Deployed IT first docker based stateless application using AWS Elastic Beanstalk; Guided the adoption of AWS RDS and Redshift usage; Oversaw and optimized IBM private cloud infrastructure for Oracle ERP systems; PoC with Google cloud GCP and Azure; Evaluated Sophos, Sumo logic, CloudHealth, CloudCheckr, DataDog and other cloud tools;
- Enhancement cloud security by implementing best practices for DMZ, identity, authorization and encryption management;
- Transformed compute governance team to high perform cloud team. Recruit talents from Malaysia, Poland and US; Created engineering, architecture, governance and global cloud operation teams; Provided mentorship to the team; Created role and responsibilities; Built cloud operation procedures, policies, SOC 1 controls and processes;
- Increased storage system performance, stability and supportability by upgrading legacy storage systems
- Delivered both internal and external communications to enable cloud culture transformation. Presented MSI cloud migration strategy and feedbacks to AWS CEO Andy Jessy; Established cloud migration committee to oversee migration effort; Delivered monthly cloud migration presentation to IT executives.

## **VP of Data Services**

MediaOcean LLC - Chicago, IL

April 2012 to December 2015

Chicago IL. April 2012 - Dec 2015

A Market leader that provides open cross-media platforms and power \$130 billion in global media budgets.

### **VP of Data Services**

Delivered data services to both internal and external customers. Led strategic decisions on database and data service technologies. Oversaw ongoing database and data service operations. Provided directions for IT infrastructure decisions and cross-team collaboration leadership.

#### **Key Achievements**

- Built and managed global data service team from US, UK and India covering support for all company databases; Recruited talent resources; Developed and managed database experts;
- Increased data services stability and reliability with defined SLA, process and tools implementation; Developed automation jobs and created cheating books and best practices; Troubleshoot and resolved operation issues; Optimized operation environments;
- Provided technology thought leadership and help the firm to be competitive; Tracked latest database technology development, like MongoDB, Greenplum, DynamoDB, Vertica, HANA and etc.; Piloted on different data replication tools, shareplex, goldengate; Evaluated AWS services, including EC2, RDS, Redshift and etc.
- Effectively managed projects and Completed data service projects on times within budget; Migrated applications from Oracle EE to Oracle SE RAC, SE, SEO; Implemented flash SAN project that improve 10X IO performance; Built data warehouse using Greenplum; Built document DB using MongoDB; Implemented data delivery solution using data replication tool SharePlex; Prototyped Ad delivery service using AWS modules; Migrated applications using Oracle, MongoDB and Greenplum databases to AWS; Led the IT efforts for SOX compliance;

- Managed IT compliance effectively. Provided SOX compliance reports; Supported Disaster Recovery and business continuity;
- Led and performed real DR failover execution and helped company to survive the business encountering natural disaster. Restored critical systems successfully in UK DR data center when production data center went out due to hurricane. Failed back critical systems to NY production DC after 2 month in DR with proper DR failover planning.

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## **Sr DBA Manager-VP**

Data Services

June 2007 to April 2012

April 2012

Provided strategy and hands-on execution to deliver results; Enabled startup company to successfully launch first customer within very tight timeline by shouldering responsibility and risks; As entrepreneur, built team from ground, architect cost effective solutions.

### **Key Achievements**

Collaborative with cross functions to ensure data service projects are delivered on time

- Built and managed high-performance DBA team that covers database management, data service development and operation support effectively.
- Architected and implemented cost effective and high-performance database environments. Deployed more than 100 databases for the company.
- Designed and implemented data warehouse solution using star schema design. Developed ETL scripts, and created Oracle OLAP CUBEs for online reports
- Provided preemptive 24x7 monitoring and alerting. Resolved system and database issues in a timely manner;
- Increased business continuity by setting up DR data center and establishing Disaster Recovery procedures;
- Effectively managed and delivered many challenging projects, such as new clients on boarding, data migration, 11g database upgrading, cost database design and implementation, research data migration from ISAM to Oracle and etc.
- Saved millions for database licenses by choosing cost effective licensing model.

## **LRO Administrator/ Sr. Oracle DBA**

Equity Residential - Chicago, IL

November 2005 to June 2007

Chicago IL. Nov 2005 - Jun 2007

S&P 500 real estate investment trust that invested more than 380 corporate apartment communities.

LRO Administrator/ Sr. Oracle DBA, Supported the most critical pricing system: Leasing Rental Optimization system (LRO). Provided technical expert support for LRO including Oracle databases, SAN storage and servers. Developed necessary job and reports. Engaged with business pricing customers to address their needs.

## **System Analyst**

Chicago Tribune - Chicago, IL

July 2001 to November 2005

Chicago IL July 2001 - Nov 2005

Chicago's most-read daily newspaper and is currently the eighth largest newspaper in the United States by circulation.

#### System Analyst

Supported Tribune's critical newspaper circulation warehouse management system including related servers, databases and applications. Deep dived into technologies and got certifications for core support areas, including most prestigious Oracle Certified Master (OCM). Provided support coverage well beyond initial assigned duties.

## Education

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### **Master of Science in Computer Science in Computer Science**

Loyola University Chicago

### **Bachelor of Science in Computer Science in Computer Science**

Southeast University

## Skills

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Mysql, Oracle, Postgres, Sql, Dynamodb, Cassandra, Kafka, Hadoop, MongoDB, Redis, Splunk, Devops, Nagios, Ddos, Team Management (10+ years), Project Management (10+ years), Performance Management (10+ years), Metrics (5 years), Cloud Computing (5 years), Engineering Management (5 years), Big Data (6 years), Data Analytics (5 years), DevOps (5 years), site reliability engineering (3 years), Data Lake (2 years), logging and monitoring (10+ years), Architecture (5 years), micro service architecture (4 years), CI/CD (5 years), Python (3 years), Java (2 years), cloudformation (4 years), Terraform (1 year), TensorFlow (2 years), Server Management (10+ years), Linux (10+ years)

## Additional Information

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#### TECHNICAL PROFICIENCIES

Management: IT Management, Vendor Management, Program Management, Team building, Recruiting, Motivation, Strategic planning, performance-optimization, Crisis management, Presentation, Cyber, Digital Transformation

Cloud Native: Microservices Architecture, Twelve factor, Domain Driven Design, Container, Kafka, Kubernetes, Redis, Docker, Restful API, SprintBoot, Thorntail, Zipkin, Jaeger, CNCF

Cloud Migration: CloudEndurer, CloudScape, Racemi, DMS

Cloud Platform: AWS, GCP, Azure, CloudFoundry, Mesos, Oracle cloud

Big Data: Data Lake, SnowFlakes, Redshift, MongoDB, DynamoDB, Athena, BigQuery, Greenplum, Vertica, EMR, Hadoop, Hive

Engineering: Test Driven Design, XP, Product Engineering, AI Engineering, Automated Testing, CI/CD, Infrastructure as Code, Serverless, Lambda, Python, Java, NodeJS, React.js, Go, Shell

DevOps/SRE: Terraform, Cloudformation, Jenkins, Git, Dockerhub, Chef, Nagios, Ansible, Collectl/d, Elk, consul.io, Prometheus, Grafana, fluentd, New Relic, Splunk, DataDog,

ML/AI: TensorFlow, SagerMaker, Alexa skill service, Lex, Polly, Recognition,

VM technology: VMWARE, Hypervisor, PV, HVM, VirtualBox, Xen, XCP

Server: Linux (Redhat, CentOS, Ubuntu..), Windows, Mac, Unix (Solaris, HPUX)

Network: WAN/LAN, TCP/IP, VPN, NAT, Router, Switch, Gateway, firewall, DNS

Security: WAF, IDS/IPS, DDos, Sophos, X509, ACM, NACL, CyberArk, BigFix, Okta, Dome9

RDBMS: Oracle, RDS, Postgres, MySQL, MS SQL, Cassandra, spanner