Vincent Liu

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PERSONAL PARTICULAR

Latest Position	Senior DevOps/SRE Engineer	Race	Chinese
Working Experience	More than 16 Years	Gender	Male
Highest Education	Master Degree (Information System - NTU)	Date of Birth	June 1981
Nationality	Singapore PR	Religion	Buddhist
Marriage Status	Married	Notice period	2 months
Preferred Location	Anywhere in Singapore		

EXECUTIVE SUMMARY

➢ As a veteran in IT industry with more than 16-years experience, what makes me progress are the strong curiosity and thirst for knowledge in IT area.

➢ I am an innovator, change agent and a strong problem solver, who can be a valuable asset and contribution part of your organization.

➢ Moreover, years of IT management experience help me to apply my knowledge and talents to maximize the potential of IT and make the organization more efficient and competitive.

➢ I am looking forward to the opportunity to apply my knowledge and talents to foster a highly successful IT landscape.

WORKING EXPERIENCE

Senior DevOps / SRE
Circles Life Pte. Ltd.

November 2019 - Present

Location	Singapore
Industry	Telco / Information Technology / Software R&D
Specialization	DevOps / SRE
Role	Senior
Position Level	DevOps / SRE

1. Create a full set of monitoring system independently with Telegraf, InfluxDB, Grafana to cover all the database clusters used in the tech stack, which includes MariaDB Galera(multi-master), MongoDB, Redis, AWS RDS, RabbitMQ, Etcd, ElasticSearch

2. Setup the Kubernetes NewRelic monitoring stack, integrate monitoring pipeline during cluster provisioning

3. Setup and Manage the central logging system with open source ELK(ElasticSearch/Logstash/Kibana)

4. Manage and maintain the APIGateway/Kong (DBLess)

Senior Cloud DevOps / SRE
Mambu Asia Pacific Pte. Ltd.

April 2018 - November 2019
(1 years 7 months)

Location	Singapore
Industry	FinTech / Banking / Information Technology / Software R&D
Specialization	DevOps / SRE
Role	Senior
Position Level	DevOps / SRE

1. Manage configuration, deployment, administration, monitoring and analysis of the Mambu core banking service in AWS Cloud environments.

2. Engineering and implementing core banking architecture using AWS services: VPC, EC2, Beanstalk, RDS, S3, SQS, SES, ElastiCache (Memcached & Redis), CloudTrail, CloudWatch, IAM.

3. Manage and execute deployments, as well as creating and maintaining the needed tools and services required for automating infrastructure changes.

4. Improve and automate IT infrastructure provisioning and operations, CI(continuous integration) and CD(continuous deployment) processes via Terraform, Python (Boto3), Bash (AWS API), Bamboo, etc

5. Take responsibility to achieve system robustness and availability, performance, platform security and costs targets

Senior DevOps & Infrastructure Engineer
AIQ Pte. Ltd.

March 2017 – April 2018
(1 year 1 Month)

Location	Singapore
Industry	Information Technology / Computer Vision / Artificial Intelligence / Software R&D
Specialization	DevOps
Role	Senior
Position Level	DevOps

1. Redesign and refactor legacy applications for CoreOS, Nginx, Apache Storm, Redis and Docker implementation, delivered solutions to improved architecture and deployment on AWS Cloud.

2. Built and managed all infrastructure, system and application on Public Cloud(AWS) and on premise VM (Proxmox) that being used for Dev/QA/Stage/Production.

3. Working with development teams to automate CI/CD activities.

4. Refactor legacy bash script based middleware with Apache Airflow + multi-thread Python library.

5. Adopt IaC(Infrastructure as Code) and automated application deployment with Terraform on AWS.

6. Creating and executing automated test scenarios using Selenium WebDriver and Python.

IT Infrastructure Lead
Tenchi Online Pte. Ltd.

Jun 2011 - Dec 2016
(5 years 7 months)

Location	Singapore
Industry	Internet Service / System Integration
Specialization	IT
Role	Senior
Position Level	Team Lead

1. Be responsible for development of IT operating procedure and policies, review and streamline work

flow processes and proposed solution to meet enterprise requirements

2. Be responsible for management of core business data, including routine maintenance, infrastructure performance monitoring and optimization, disaster recovery plan and data recovery, database security and access authorization.

3. Be responsible for design and implementation of overall enterprise IT system. Lead the architecture design of MIS(Management Information System) (JSP+MSSQL+PHP+MySQL) and participate in coding phase and follow up maintenance.

4. Lead IT team to implement outsourcing projects (IoT/RFID & RouterOS Wireless), including IOT hardware evaluation, vendor selection, architecture design(Java+Glassfish+MSSQL2016), middleware programming(C#), implementation and post-maintenance.

5. IT team building and management, train IT engineers to enhance their skills and abilities of efficient IT problem-solving.

IT Infrastructure Engineer
Empire Entertainment Pte. Ltd.

Jul 2007 - Jun 2011
(3 years)

Location	Singapore
Industry	Retail / Wholesale / Internet Service
Specialization	IT
Role	Senior
Position Level	Team Lead

1. Be responsible for planning and establishment of enterprise IT system & network architectures and infrastructure. Manage and maintain more than 500 desktop PCs and 40 Win2012/CentOS Servers.

2. Formulate strategies for IT maintenance. Ensure high availability of IT infrastructure meet business needs and service level agreements(SLA).

3. Be responsible for design and implementation of data backup and maintenance process standards. Establish DRP(disaster recovery plan) and BCP(business continuity plan) to ensure high availability of the core business.

4. Recruit and set up the IT team to solve network, server and database maintenance issues to ensure smooth IT operation and business reliability with 24x7.

5. Be responsible for guide and management of IT operations, develop and explore various ways for automated process in IT operation to shorten response time and reduce IT costs.

TechOps Engineer
Shanda Games Limited (NASDAQ: GAME)

Sept 2004 - Jul 2007
(2 years 11 months)

Location	Shanghai
Industry	Information Technology / Internet / Online Gaming
Specialization	IT
Role	Senior
Position Level	Assistant TechOps Leader

1. Be responsible for the operational security of online game system (including system security, network security and data security).

2. Be responsible for management of the entire online game system (more than 250+ Win2000/Win2003 Servers), including deployment planning, installation, configuration, patching and troubleshooting.

3. Research & develop standard and automated procedure for IT operation and system maintenance.

4. Be responsible for monitoring, optimization and maintenance of database (including MSSQL and PostgreSQL).

EDUCATION

2015-2017	**Nanyang Technological University (**Singapore**)** Master's Degree in Information System
2014-2015	**Lithan Academy (**Singapore**)** Diploma in Information System
1999-2003	**University of Finance and Economics (**China**)** Bachelor's Degree

LANGUAGES

Spoken	English, Chinese
Written	English, Chinese

CERTIFICATIONS

2017	Certification in Outsourcing Management for IT (COMIT)
2014	EC-Council - Certified Ethical Hacker(CEH)
2013	Cisco - CCNA
2010	RedHat - RHCT

AREA OF EXPERTISE

✓ IT Operation	✓ R&D and full development life cycle	✓ Information / Network Security
✓ IT Governance	✓ Database Management	✓ Monitoring
✓ DevOps	✓ Cloud Technology	✓ Computer Network Management
✓ IoT	✓ Data Analysis/Data Mining	