# Ni, Jun (Gavin)

# Technical Leadership

Gavin has over 14 years’ experience and specializing in Software Development, DevOps & Site Operation and Enterprise Data Platform. He was an AWS APN Ambassador in Asia Pacific and certified Solutions Architect Professional and AWS Well-Architected Framework review practitioner.  
  
Gavin is a passionate advocate on empowering agile culture and promoting revolutionary architecture to Enterprise Site Reliability Engineering, Enterprise Application Modernization, Enterprise DevOps Transformation, Enterprise Data Platform Solutions and Enterprise Cloud Native Transformation.

# Employment History

**Technical Director/ Principal Consultant** August 2019 – Present**, ThoughtWorks Singapore**

As Principal consultant, Jun has been leading digital transformation for clients’ production innovation. Design the platform architecture blueprint and show the vision to the platform team and product development teams the journey to the future state.

**Lead Solution Architect, Accenture AWS Business Group** July 2017 - August 2019 (2 years 2 months) **Singapore, Accenture**

- As Lead AWS Solution Architect，AWS Partner Network(APN) Ambassador at Accenture Amazon Business Group(AABG), I worked with Business Development Lead engaging business and technology executives to help their Page 1 of 5 organisations drive their business initiatives and tackle technology challenges across ASEAN regions. - Work with public and private sector sales lead to drive solution and responsible for response to RFP and close the deal. - Lead AWS LaunchPad industrial PoC solutions to accelerate Go To Market and cuttings edge AWS solution demos in Accenture Innovation Hub. - Work with Accenture teams and partners to help our customers adapt AWS Well-Architected Framework and principles, learn from industrial best practices and allow customers ICT transformation to gain agility, save costs and gain competitive advantage. - Own the technical engagement with clients in private and public sectors, serving as a key technical advisor in defining their cloud strategy and ensuring a timely and successful delivery of value from the pre-sales engagement right through the delivery of specific projects.

**Lead DevOps/AWS Architect, Odecee Digital Consulting** March 2017 - July 2017 (5 months) **Melbourne, Cognizant Australia**

- As AWS Solutions Architect, I successfully helped our client an Australian leading property digital settlement business rearchitect and migrate their production services from on-premise to AWS and achieved infrastructure as code, immutable infrastructure, fault tolerance,100% automation and disaster recovery. - Tech stacks include AWS Autoscaling, EC2, ELB/ALB, Route53, S3, CfnDsl, CloudFormation, Lambda, DynamoDB, RDS, DirectConnect, CloudWatch, CloudTrail, CloudConfig, KMS, IAM, CertificateManager, Google StackDriver, Page 2 of 5 AppDynamics, Splunk, OpenLDAP, IBM MessageBroker, PingIdentity, Bamboo etc.

**Enterprise Architect/ Head of Site Reliability Engineering** May 2015 - March 2017 (1 year 11 months) **Auckland, Spark New Zealand**

- Reported to Qrious CTO and managed Site Reliability Engineering Team operation as well as creating Cloud Data Platform future architecture road map - Steering the best DevOps practices and enabling highly available, highly scalable, fault tolerant production service and continuous integration/ continuous deployment optimisations

- Designing, delivering and operating well architecture (high performance, highly available and scalable, secured) big data platform - Driving Containers as a Service(CaaS) platform

- Ensuring enterprise DevOps transformation plan to be executed smoothly across the hybrid-cloud environments (Private Cloud - VMware, Public Cloud - AWS and Government Cloud - Revera)

- Tach stacks: AWS (Route 53, ELB/ALB, EFS, EBS, AutoScalingGroup, CloudFormation, S3, Glacier, EC2, EIP, RDS, Redis, CloudFront, Lambda, CloudWatch, EMR, RedShift, DataPipeline), VMware, Pivotal Cloud Foundry, Apigee, Redhat OpenShift, Redhat Ansible Tower, Jenkins/Teamcity, Artifactory, Docker, Packer, FreeeIPA, LDAP, Ossec, Zabbix, LogicMonitor, Sumologic, Cloudera CDH, Tableau, RabbitMQ, Spring XD, Spring REST, Kafka, MangoDB, PostgreSQL etc.

**DevOps & Deployment Manager** January 2013 - May 2015 (2 years 5 months) **Auckland, Bravura Solutions New** **Zealand**

- Reported to Head of Architecture and managed Build and Deployment team as well as DevOps roadmap - Ensure overall team performance to meet internal/external client requirements - Oversee product development build and release infrastructure operation, disaster recover and modernization

- Lead tooling development for application deployment, database install/ upgrade and documentation automation

- - Tach stacks: AWS (EC2, EBS, S3, ELB/ALB, Route 53), VMware, JBoss, Jenkins, CodeDeploy, Artifactory, Groovey, Python, Oracle, Puppet, J2SE etc. Page 3 of 5

**IS Release Manager** September 2012 - January 2013 (5 months) **Auckland, healthAlliance New Zealand**

- Member of Organization Change Advisory Board, worked very close with change manager and managed a large number of release changes very week in CAB meeting and assess other changes impacts to the upcoming releases and vice versa - Large complex technical environment including 100+ vendors applications and in-house development for government health and clinical projects

- Managed the provisioning and used of the controlled QA and Acceptance test environments, facilitated design and build, and work with technical Architect, Functional Application Support Analyst and Business Owner/Vendor to ensure most effective use was made of these environments, whilst meeting the business and quality goals for DHBs.

- Established and integrated release management process into organisational change process across DHBs

- Worked closely with Project Managers to ensure project delivers meet release policy and standards by monitoring project with release checklist

**Software Developer** November 2011 - September 2012 (11 months) **Auckland, Kiwiplan New Zealand**

- Business requirements analyse, design and documentation

- Technical requirements analyse, design (i.e. UML class diagram) and development

- Framework & Release support - Product Tier 3 support

- Tech stack including Maven, Tomcat, MySQL, Java, Swing, Spring, Hibernate, Ext JS, Jini etc

**DevOps Lead, China Development Center** November 2008 - November 2011 (3 years 1 month) **Shanghai City, eBay China**

- Reported to Head of Stubhub China managed DevOps Team in CDC responsible for DevOps roadmap

- Responsible for global code roll out operations with network, Unix admin, DB team Page 4 of 5

- Release reports to all stakeholders

- Trouble shoot application exceptions in QA testing environment and find root cause

- Maintain and design effective and efficient build and deployment system and integrated with 3rd party defect tracking tools and version control system etc.

**Sofware Engineer, Peace Software** April 2006 - June 2008 (2 years 3 months) **Auckland, Hansen Technologies New Zealand**

-Designed layered application, including user interface, business functionality, and database access.

-Worked with other engineers, managers, product managers, QA, and operation teams to develop innovative solutions that meet market needs with respect to functionality, performance, scalability, and reliability while meeting realistic implementation schedules and adhering to development goals and principles.

-Estimate engineering efforts, plan implementations, and rollout system changes.

-Shared release management duties during regression and system testing phase.

-Performed source code version control task to align with project milestones

-On-call client support and P1 production bugs analysis and fix.

-Maintained and developed tools scripts to support existing and new deployment strategy.

# Project Experience

A leading banking institution in Thailand, Mar 2020 ~ Present

Managed Team Size: 35+

Digital innovation and transformation project to help business units to discover opportunities to improve operational risks

and efficiency as well as identify the new areas to increase sales revenues.

As Technical Principal for Digital Innovation, Jun designed the scalable digital platform on hybrid-cloud architecture that allow IT to accelerate product development and live to end customers and ecosystem partners.

A leading National Identity Service Agency in Singapore, Apr 2019 ~ Aug 2019

Managed Team Size: 20+

Cloud transformation project to re-architect the current on-premise solution to be hybrid Government Data Center (GDC)/Government Commercial Cloud (GCC) and uplifting cloud native architecture.

As Lead Cloud Architect, Gavin designed the cloud migration strategy and architecture roadmap, engage client for the cloud native initiatives, uplift team’s cloud development and operation capabilities, identify technology stacks and roles for the project, prepare the overall proposal and conduct the oral presentation to the client panel.

A leading Transportation Agency in Singapore, Apr 2019 ~ Aug 2019

Managed Team Size: 25+

Data Platform project to re-architect the current on-premise solution to be hybrid on-premise and public cloud, refresh the current technology stack from Teradata to modern data lake solution using Cloud Object Storages and Snowflake, and build data sharing architecture to integrate with its data operating vendors and other agencies.

As Lead Cloud and Big Data Architect, Gavin designed the cloud and data platform strategy and architecture roadmap, engage client for the cloud data lake and ELT initiatives, uplift team’s cloud development and operation capabilities, identify technology stacks and roles for the project, prepare the overall proposal and conduct the oral presentation to the client panel.

A leading National Resource and Manufacture Company in Thailand, Jan 2019 ~ Mar 2019

Managed Team Size: 5+

Cloud Native Customer Service solution based on AI Chatbot to support both English and Thai and integrate with SAP ERP Cloud Platform.

As Lead Solution Architect, Gavin designed the cloud native architecture roadmap, uplift cloud native DevOps framework, identify technology stacks and roles for the project, prepare the overall proposal and conduct the oral presentation to the client panel.

A leading Global Beer Brewer and Food Group in Australia and New Zealand, Oct 2018 ~ Dec 2018

Managed Team Size: 5+

Enterprise applications cloud migration from on-premise to public cloud.

As Lead Cloud Architect, Gavin provided the migration assessment the current state using 6R’s and designed the cloud migration strategy and architecture roadmap, engage client for DevOps initiatives, uplift team’s cloud and DevOps development to operation speed and quality.

A leading Global Mining Group in Australia, Jan 2018 ~ Oct 2018

Managed Team Size: 25+

Data Platform project to re-architect the current on-premise solution to be hybrid on-premise and public cloud, refresh the current technology stack from Teradata to modern data lake solution using Cloud Object Storages and Snowflake, and build data sharing architecture to integrate with its data operating vendors and other agencies.

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A leading State Government Shared IT Service agency in Australia, Sep 2017 ~ Dec 2017

Managed Team Size: 15+

State government shared IT service cloud enablement service.

As Lead DevOps/Cloud Architect, Gavin designed the cloud PaaS services, engage client for DevOps initiatives, enabled the client team’s cloud and DevOps development to operation capabilities.

A leading Digital Property Lodgement and Settlement in Australia, Mar 2017 ~ Sep 2017

Managed Team Size: 5+

Digital property settlement service cloud migration from the 3rd party managed infrastructure service to public cloud.

As Lead DevOps/Cloud Architect, Gavin designed the cloud migration strategy and architecture roadmap, engage client for DevOps initiatives, uplift team’s cloud and DevOps development and operation capabilities,

A leading Digital and Telecommunication Provider in New Zealand, May 2015 ~ Mar 2017

Managed Team Size: 5+

Location Based Service Data Platform to ingest real-time mobile data and serve the data for the other telecommunication retailer business intelligence and develop the product data service for public sector.

As Lead Enterprise Architect, Gavin defined the enterprise data platform architecture roadmap, delivery of the platform technology platform modernization and lead site reliability engineering team for production operation 7x24.

A leading Global Insurance Company in United Kingdom, Jan 2013 ~ May 2015

Managed Team Size: 4+

Life insurance and wealth management system for global wholesales and retails.

As Senior Technical Consultant, Gavin design and build automated deployment and data migration system for client data center operation and support client data center 7x24.

A leading Global Paper Manufacture Company in United States, Nov 2011 ~ Jan 2013

Custom Waste Management and Analytics solution for distributed paper plants globally.

As Lead Software Engineer, Gavin collected and analyzed the client requirements, designed and develop the custom solution using Agile Pair Programming and Test-Driven Development.

A leading International e-Commerce Company in United States, Sep 2008 ~ Nov 2011

Second-hand Sports, Events and Concert tickets re-sale platform for United States, Europe and Australia market.

As DevOps Team Lead, Gavin designed and lead building/operating DevOps platform for global distributed development and production operation 7x24.

A leading Energy Utilities Retail Company in United States, May 2006 ~ Aug 2008

Custom Information System for utilities wholesale and retail back office system for multiple types of end-user devices.

As a Software Engineer, Gavin designed and built the client required product features, billing and invoice etc. using Agile Pair Programming, Test-Driven Development methodology and DevOps pipelines.

# Skills

* Technical Domains: Enterprise Architecture, Site Reliability Engineering (Site Operation), DevOps and Enterprise Data Platform
* Industrial Domains: Banking, Insurance & Capital Market, Mining & Energy Utilities, e-Commerce and Health & Public Sector

# Certifications

* AWS Certified Solution Architect - Professional
* AWS Certified DevOps Engineer - Professional
* AWS Certified Solution Architect - Associate
* AWS Certified System Administration - Associate
* AWS Certified Developer – Associate
* Sun Certified Java Developer
* ITIL Foundation Certification in Service Management

# Education

* Bachelor of Science (Honours), Major in Computer Science (Specialising in AI & Game Technology), University of Auckland, New Zealand 2004 -2005
* Bachelor of Science, Major in Computer Science, University of Auckland, New Zealand 2001 - 2003