

MIKE NGUYEN

Visa Status: **New Zealand Resident**

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SENIOR FULLSTACK DEVELOPER / EXPERIENCED TECH LEAD

SUMMARY

- **Master of Applied Project Management, Bachelor of Computing**
- **Certified ScrumMaster, Certified Azure Developer**
- **IT: 10+** years of hands-on designing, architecting, and implementing web-based applications
- **Backend:** .NET, C#, ASP.Net, .NET Core, APIs, Node
- **Frontend:** JavaScript, React, Angular
- **Database:** MSSQL, MongoDB, DynamoDB, Firebase, MySQL
- **Cloud:** Azure, AWS
- **Others:** DevOps, Microservice, Serverless, JIRA, Confluence
- **Methodology:** Scrum, SOLID, TDD, DDD
- **Communication skills:** good presentation skill, stakeholder management skill

PROFESSIONAL EXPERIENCE

Solnet, Auckland

Jul 2019 – Present

The leading New Zealand digital transformation and technology service provider

Senior Software Engineer / Consultant

Play the role of Lead Developer in designing, implementing, delivering, and supporting multi-million-dollar solutions to strategic key clients such as Nib, Waterforce.

Responsibilities / Achievements:

- Design and implement the complex rating & pricing engine and solution to be used by all Nib insurance agents and replaced the existing legacy system
- Design and implement scalable e-commerce solution that provides significant cost reduction for ERP clients in terms of operation and maintenance
- Mentor and provide technical coaching to other Software Engineers in the team
- Work directly with business stakeholders to elicit and model requirements, facilitated sprint planning and refinement sessions.

Project: Nib Advisor Portal (<https://adviser.nib.co.nz/>)

Objective: develop new portal for nib advisors that enable them to enrol new clients instantly as well as managing client policies with just a few clicks. It is the first of its kind built on cloud.

Key technologies: APIs, C#, .net core - AWS: Lambda DynamoDB Cloud Formation API Gateway, Sumo Logic, React

Project: Solnet ERP integration with new e-Commerce platform

Objective: allow existing ERP customers to setup e-commerce platform for their traditional on-call distribution network.

Key technologies: APIs, AWS, PHP, MySQL, CSS, HTML5, JQuery

SMBC Bank, Singapore

Dec 2017 – Jul 2019

The second largest Japanese bank providing financial services in multiple countries

Assistant Vice President, Information Technology

Designed and implemented new development framework to digitalize the business workflow process across various business functions in the bank; mentoring software engineers on .NET and web development framework; guiding agile practice across project teams; and implementing DevOps transformation.

Responsibilities / Achievements:

- Developed reusable UI components and code generator to bootstrap the frontend development that enables rapid prototyping of new business requirements; achieved 80% reduction of time spent, from one month to one week; bringing visibility and clarity to business users and promoting consistency and standardization.
- Designed workflow processes and developed core modules for various new workflow systems (COB and FP).
- Designed and implemented the DevOps Phase 1 focusing on continuous integration (CI) of software development and deployment to SIT; currently working on Phase 2 that will enable the continuous deployment (CD) to UAT and Production.

Project: Funding Platform Workflow System (EPIX-FP)

Objective: to digitalize the process of requesting and approving funding transactions for new and existing customers that involves various stakeholders across different departments.

Key technologies: C#, ASP.NET RESTful API, AngularJS, CSS Bootstrap, HTML, MSSQL, Microservices

Project: DevOps Phase 1: Continuous Integration (DevOps-CI)

Objective: DevOps is one of core strategy of the bank to ensure quality software artefacts being developed, integrated, and developed with high efficiency. It introduces a new standardization of software development process and adoption of agile development among project teams. Phase 1 covered the continuous integration and development to SIT testing.

Key technologies: JIRA, Confluence, Bamboo/Jenkin, SVN, Git, Nexus repository and Sonarqube scan.

MIMS Ltd, Singapore

Dec 2011 – Nov 2017

The leading multi-channel provider of drug information, medical education and services connecting healthcare communities in 13 countries across Asia Pacific with 2+ millions of subscribers in its digital platform globally.

Lead Software Engineer / Integration Architect

Designed, architected and implemented various .NET applications (WinForms and ASP.NET Web, API); standardized software development, data migration and operation processes; led data migration and transformation projects; mentored on software development, quality assurance, process improvement and agile methodology.

Achievements:

- Redesigned and developed .NET applications to automate major data production and validation to reduce processing and validation time by 70% from three days to less than a day.
- Designed and implemented the solution of alternative key matching service used by all data production applications to ensure data integrity across all digital products.
- Executed data migration projects achieving approximate 95% of data coverage of 10 Asia Pacific countries' drug information that enabled successful transformation of new centralized Content Management (CMS) and data production processes.
- Designed data structure using MSSQL database, Domain Driven Design, ERM and implemented the C# ASP.NET application to successfully integrate data from legacy systems to roll out new e-MIMS Australia system delivered 1 million USD in revenue.
- Built and operationalized agile practice on continuous integration via Jenkins/MS Build, SVN, Slack, and JIRAs in cross server environment to accomplish 99.99% uptime of numerous IT applications in Production environment and increase test coverage of 70% for new development.
- Revamped the MIMS Reporting Module by analysing and assessing available frameworks (including Telerik, DevExpress and Infragistics) to develop new re-useable solution that enabled the roll out of more than 50 dynamic complex reports used intensively by healthcare professionals and business users across more than 10 countries.

Project: MIMS Interim DB / API Hub

Objective: to expose the data model and API contents from MIMS CMS into database / JSON / XML format that will be denormalized and ready to be consumed by MIMS mobile and web applications across over 10+ countries.

Key technologies: C#, ASP.Net RESTful API, NHibernate, EF, Json/XML, MSSQL, SQL

Project: MIMS Centralized Data Transformation

Objective: to replace various applications currently being used by various local IT to perform the data transformation to support country vendors as part of centralizing the data production to be done in Singapore. The project covered over 10+ countries including Singapore, Philippines, Australia, New Zealand, Vietnam, Malaysia, and Indonesia.

Key technologies: C#, WinForms, ASP.Net, NHibernate, EF, XML, MSSQL, SQL, Quartz

Project: MIMS Content Management System (MIMS CMS)

Objective: to develop a centralized drug reference CMS hosted in Singapore and being used by editors and healthcare professionals over 10+ countries.

Key technologies: C#, ASP.Net MVC, NHibernate, JavaScript, CSS, HTML, MSSQL, SQL, DDD, Telerik for ASP.Net

Project: MIMS Data Migration (MIMS Migration)

Objective: to move the local drug reference content into centralized MIMS CMS. It required deep understanding on existing CMS data models, the local requirements to first enhance MIMS CMS to support new requirement and then to migrate local data into MIMS CMS. The project was organized into 3 phases in which phase 1 (2011-2013) includes Asia countries (MY, ID, VN, PH and MM), phase 2 includes AU (2014) and phase 3 (2015) is NZ.

Key technologies: C#, ASP.Net MVC, WinForm, NHibernate, JavaScript, CSS, HTML, MSSQL, SQL, DDD, Quartz

GRC-SYSTEM Ltd, Singapore

Mar 2010 – Dec 2011

GRC-Systems provides IT platform specializing in governance, risk, and compliance controls.

Software Engineer cum Scrum Master

Implemented and optimized .NET desktop and web-based applications to ensure high performance; Adapted and led agile practice as Scrum Master for cross function and cultural team.

Achievements:

- Resolved technology constraints in GRC Suite products such as memory leak, performance tuning, and reporting service reusable.
- Worked closely with Product Owner and Business Analysts to deliver working software for Government, Risk and Compliance products used by Banks and Financial Institutions
- Spearheaded with System Architect to conduct Agile Scrum adoption and practice and grow agile team from 5 to 10 developers, quality engineers and business analysts.

Product: Governance Compliance Security Suite (GRC-Suite)

Objective: to develop a complete product supporting governance, compliance and security requirements targeting strictly regulated banks and other financial institutions. It included various modules such as employee onboarding, conflict of interests, transaction/trade monitoring and notification.

Key technologies: C# .NET 4.0, Silverlight 4, ASP.NET 4.0, MVVM, RIA, WCF, Workflow and Rule engine.

NCS Ltd, Singapore

May 2008 – Feb 2010

NCS is a leading Asia-Pacific IT services provider, offering consulting, IT system integration and solutions.

Application Consultant

Be responsible in delivering software solution across various domains of banking, legal contract, manufacturing logistic and retails; Maintained, coordinated and developed software artefacts; Prepared functional, use-case, and test specifications; troubleshooted and provided solution for other project teams.

Achievements:

- Be single point of contact to maintain, coordinate and deliver various project features for Jurong Port Card Management System (JCMS).
- Resolved issues on technology constraints about presentation layer design on FedEx Legal Contract Projects which involved in WebLogic Workflow technology and MVC architecture
- Provided solution and successfully developed a Test Application for PSA team which has functionalities such as: XML-Passer, Test Processor, Microsoft MQ-Connector, and Java-C/C++ Simulator
- Provided solutions for Online System for Credit Application (OSCA) on generic stored procedure (t-SQL) mechanism to simplify the process of creating new data-mapping and system conditions

Project: Jurong Port Card Management System (JCMS): used by Singapore Jurong Port to manage the access card issue, authorization, and authentication process.

Project: FedEx Legal Contract (FELC): used by FedEx to manage the legal contracts

Project: Online System for Credit Application (OSCA): used by banks to simplify the credit application processes.

Key technologies: Java, J2EE MVC, WebLogic Workflow, Crystal report, JavaScript, CSS, HTML, SQL, t-SQL, MSSQL, data mapping

CICADA CUBE Ltd, Singapore

May 2007 – May 2008

Cicada Cubes specializes in the development and implementation of technology-intensive software systems.

Software Engineer

Researched and developed in-house search engine solutions across domain of healthcare, education, and e-commerce. Had opportunity to do research on various search engine products (e.g. Google, yahoo, etc.), web search terminology such as semantic web, social search, search optimization, and indexing.

Achievements:

- Enhanced and developed new search engine features such as Easy-XML Configurable, Simple Regular Expression Matching and AJAX optimization.
- Coordinated with other developers in developing successfully a new meta-search product called Virtual Union Catalogue for National Library of Singapore.
- Succeeded in adopting the latest technology Adobe Flex which marked a breakthrough on UI processing and presentation for in-house meta-search engine products.

Project: Cicada Meta Search Engine: an inhouse search engine (similar like Google) deployed to various universities and schools in Singapore.

Key technologies: Java, EJB, JavaScript, CSS, HTML, Adobe Flex, Ajax, MSSQL, Indexing, query optimization.

EDUCATION

UNIVERSITY OF ADELAIDE, Australia, Singapore Campus

Jan 2016 – Dec 2017

Master of Applied Project Management, *Part-time. Distinction*

SINGAPORE POLYTECHNICS, Singapore

Apr 2014 – Apr 2015

Graduate Specialist Diploma in Statistics and Data Mining, *Part-time. Distinction*

NATIONAL UNIVERSITY OF SINGAPORE, Singapore

Jul 2003 – Jul 2007

Bachelor of Computing, Computer Science, *Full-time*

CERTIFICATES

- Microsoft Certified: Azure Developer Associate (2020)
- TOGAF 9 Enterprise Architecture Training (2014)
- Certified ScrumMaster (2013)

LINKS

- GitHub: <https://github.com/mikenguyen69>
- LinkedIn: <https://www.linkedin.com/in/nguyenduchung>
- Blog: <https://dotnetsharing.wordpress.com>
- Demo websites:
 - WFH Check-in: <https://wfh-checkin.azurewebsites.net> (react, apollo, graphql, api, mongodb, mapbox, azure)
 - MERN Shop: <https://mern-shop.vercel.app> (react, next, mongodb, api, semantic-ui)
 - React News: <https://hn-container.firebaseio.com/top> (react, firebase, api)