

## MIKE NGUYEN

Visa Status: **New Zealand Resident**

Address: 3/182, Bayswater Ave, Auckland 0622

Mobile: **022 00 64789** | Email: [mike.nguyen0719@gmail.com](mailto:mike.nguyen0719@gmail.com)



## SENIOR FULLSTACK DEVELOPER / EXPERIENCED TECHNICAL LEAD

### SUMMARY

- **Master of Applied Project Management, Bachelor of Computing**
- **Certified ScrumMaster, Certified Cloud Developer (Azure)**
- **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, Azure DevOps
- **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 solutions used by all Nib insurance agents and replaced the existing legacy system
- Design and implement scalable e-commerce solution providing significant cost reduction for ERP clients in terms of operation and maintenance
- Mentor and provide technical coaching to other software engineers in the team, and provide support for systems in cloud production environment
- Work directly with business stakeholders to elicit and model requirements, facilitate sprint planning and refinement sessions

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

Objective: to develop new portal for Nib advisors that enable auto instant enrolment of new clients as well as managing client policies with just a few clicks. This 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: to allow existing ERP customers to setup e-commerce platform for the traditional on-call distribution channel.

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, Technology**

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

#### **Responsibilities / Achievements:**

- Developed reusable UI components and code generator to bootstrap the frontend development that enabled 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 focusing on continuous integration (CI) of software development and deployment to SIT, and 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 Continuous Integration (CI) and Continuous Deployment (CD)**

Objective: to introduce a new standardization of software development process and adoption of agile development among project teams.

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.

#### **Responsibilities / 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 used by various regional IT teams to perform data transformation as part of centralizing the data production to be done in Singapore.

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.

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

**GRC-SYSTEM Ltd, Singapore**

Mar 2010 – Dec 2011

*The IT platform provider 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; played the role of Scrum Master to lead agile practice for cross-functional team.

**Responsibilities /Achievements:**

- Resolved technology constraints 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 various 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

*The leading Asia-Pacific IT services provider offering IT consulting, system integration and solutions*

**Application Consultant**

Delivered software solutions across various domains of banking, legal contract, manufacturing logistic and retails.

**Responsibilities /Achievements:**

- 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 with 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
- Prepared functional, use-case, and test specifications; troubleshooted and provided production support for other project teams.

**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

*High-growth start-up specializing in developing technology-intensive software systems*

## Software Engineer

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

### Responsibilities / Achievements:

- Enhanced and developed new search engine features such as Easy-XML Configurable, Simple Regular Expression Matching and AJAX optimization.
- Implemented a new meta-search product called Virtual Union Catalogue for National Library of Singapore.
- Adopted 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  
Postgraduate 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)

## REFERENCE 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)