

# Nguyen Ngoc Tuan Anh

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## Full Stack Software Engineer

Skilled and results-driven professional with more than ten years of extensive experience in all aspects of team leadership and software development within high-profile organizations. Proven and successful track record of developing advanced structures of products, streamlining project operations, and achieving business objectives. Highly skilled in software development, handling staff activities, improving efficiency, and providing technology-based solutions. Thrive in team-oriented, challenging environments, and adapt to ever-changing demands of software development and the IT field.

### Areas of Expertise & Technical Skills

- |                               |                                  |                         |
|-------------------------------|----------------------------------|-------------------------|
| ▪ Agile Development           | ▪ Software Coding & Unit Testing | ▪ Software Development  |
| ▪ Requirement Analysis        | ▪ Documentation                  | ▪ Technical Support     |
| ▪ Quality Control & Assurance | ▪ Data Analysis & Cost Control   | ▪ Conflict Resolution   |
| ▪ Product Designing           | ▪ Risk Assessment                | ▪ Staff Leadership      |
| ▪ Technical Design            | ▪ Operations Administration      | ▪ Regulatory Compliance |
| ▪ Database Design             | ▪ Troubleshooting                | ▪ Task Management       |

### Professional Experience

Ringkas, HCM City, Vietnam

April 2023 - Present

#### Principal Software Engineer

Join to The Ringkas on 2023 from Ho Chi Minh city Working on Core Team to build a KPR platform that digitizes infrastructure and enables key stakeholders in the real estate ecosystem.

My responsibilities are:

- Designing system architecture, system diagrams, workflow diagrams, and database structures.
- Building the Ringkas ecosystem (Core 2) as a microservices-based system, utilizing multiple integration patterns such as API Gateway, CQRS, BFF, and event-driven architecture.
- Developing core functionalities, including authentication and authorization, logging, and a rule engine.
- Collaborating closely with DevOps to establish infrastructure and CI/CD pipelines.
- Working with the Product Owner (PO) to clarify business requirements and Product Requirement Documents (PRD), then proposing technical solutions.
- Coaching the team by enforcing code conventions and conducting code reviews.

Key Project:

#### **LOS portal, CA application**

Team Size: 20 staff members · Tools: Typescript, Nodejs, Reactjs, GraphQL, Restful Api, Postgres, Web API, Docker, Gitlab runner, and AWS (Lambda, CFN, SSM, EC2, ECS, RDS, Redis, SQS, SNS ...).

- Build KPR ecosystem application architecture based on microservices.
- CA (Consumer app) helps home buyer who want to buy a house can open a Home Loan
- LOS (Loan Origination System) is an application with multiple roles as Developer, Lender, Agent or Individual agent manager those application and bank submission.
- Open API help 3<sup>rd</sup> party can consume data from Ringkas system as well as KYC, Credit scoring and Prequalification ...
- Apply new technology to improve user experience and reduce management and operation costs...

*Continued...*

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Kilo, HCM City, Vietnam

February 2022 - April 2023

## Full Stack Engineer

I'm joined Kilo team to build Kilo ecommerce platforms as full stack engineer. The main task is building backend services based on microservices.

Key Project:

### **Kilo APIs, Seller App, Retailer App, Shipping app, Third party portal**

Team Size: 11 staff members · Tools: Typescript, Nodejs, React js, React native, Next js, Next.js, Restful Api, Postgres, Web API, Docker, GitHub action, Jenkins and AWS (Lambda, CFN, SSM, EC2, ECS, RDS, Redis, SQS, ...).

- Build Kilo ecosystem application architecture based on microservices.
- Seller app helps sellers sell those products on KILO platform with multiple set-ups like promotions, discounts and loyalty, etc.
- Retailer app helps Retailers/Stores make orders with a lot of payment methods.
- Shipper app and Third-party portal allow and helps logistic (3PL) partner handle and manage orders.
- Apply new technology to improve user experience and reduce management and operation costs...

NAB, HCM City, Vietnam

February 2020 - February 2022

## Full Stack Engineer

Joined to Vietnam Delivery Center of NAB as Senior Engineer in Ho Chi Minh City (Technology Development Center in HCMC). Build backend API and Mini-App (micro frontend app) of HLEX (Home Loan Experience) and MoF (Buy my Home).

Key Project:

### **Mortgage factory**

Team Size: 16 staff members · Tools: Java, Restful APIs, Kafka, Jenkins and AWS (CFN, SSM, EC2, ECS, Redis...).

- Build backend APIs with multiple microservices for MoF (Mortgage factory) like Collateral, Documents, Compliance, Kafka producer microservices.
- Achieve customer satisfaction by high quality code and easy-to-understand code and process models.

### **Loan mod**

Team Size: 7 staff members · Tools: Nodejs, Restful Api, Type Script, Kafka, Jenkins and AWS (CFN, SSM, EC2, ECS, RDS, Redis, SQS...).

- Build backend APIs based on serverless (AWS Lambda) with NodeJS for Home Loan process as well as Update loan details, slip loan, change payment type, etc.

Noria Group, HCM City, Vietnam

December 2016 - April 2019

## Full Stack Engineer

Implement project procedures by providing exceptional strategic management expertise to all phases of project life cycles in line with company contract and technical requirements. Efficiently plan, assign specific tasks, and resources for to support development of project specifications.

Key Project:

### **Noria Portal and Self-service portal**

Team Size: 8 staff members · Tools: Php storm, RabbitMQ, Mariadb, PHP, Joomla, Restful Api, Web API, HTML5, CSS3, Angular JS, Backbone js, jQuery, JavaScript, Jenkins and Azure.

- Achieve customer satisfaction by high quality code and easy-to-understand code and process models.
- Fulfilled all clients' needs on time through multiple testing models, including functional, regression, user acceptance, integration, and performance.
- Streamline project operations and deliver authentic input into developing and modifying systems, as well as produce comprehensive specifications to support modifications to complete customer requirements.

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- Take corrective actions to resolve issues and maintain up-to-date whole departments by analysing codes, calendars, resources, and daily tasks.
- Apply new technology to improve user experience. As speed to text, upload documents via webcam etc.

**FRAM**, HCM City, Vietnam

Jun 2015 – May 2016

## **Team Leader, Full stack engineer**

Lead and guided 4 members regarding project specification, set up project targets, and ensured that project progress within budget limits and timeline. Satisfied all clients through analysing issues and recommending effective solutions and performed quality assurance tasks during project operations to maintain quality standards.

*Key Project:*

### **Pennypass**

*Team Size: 5 members · Tools: Visual Studio Code, Angular 2.0, Backbone js, Ember js, PHP and Node js with KOA js, HTML5, SCSS, jQuery, Typescript, JavaScript, Webpack, AWS, Circle CI.*

- Developed upstream distribution channel software for start-up company using wide variety technologies such as Node js, PHP, backbone js, ember js, angular js and webpack....
- Collaborated with CEO, Product manager, and team members to determine project scheduling and product scopes.
- Create software architecture, documented technical documentation and write guides stay up to date on emerging technologies.

### **DIVVIT**

*Team Size: 4 members · Tools: Sublime text, HTML5, CSS5, angular, Node JS , PHP, AWS, Gulp and Grunt.*

- Played an integral role in collaborating with clients to analyze software requirements, while assisting with development teams.
- Gathered accurate data and interpreted client's requirements for stakeholders into 10+ tangible deliverables, including functional specifications, user cases and stories, and workflow and data model diagrams.
- Successfully organised meetings with clients on monthly basis to analyze requirements and delivered authentic solution to complete requirement within time constraints.
- Reduced risks through timely identification of risks within requirements implementation, testing processes, and project communications.
- Collected data and accurately reconciled all information for proper evaluation of business requirements. Developed entity models to deliver information into database for data analysis and designed application.

**Harvey Nash Viet Nam**, HCM City, Vietnam

August 2012 – Jun 2015

## **Principal Software Engineer / SWAT Team's member**

As a S.W.A.T team member, I also support many projects to apply or set up Continuous Integration (Bamboo, Jenkins, JIRA...) and Integration Environments (Linux/Windows Server/Nginx/Apache/IIS) and other ad-hoc technical support requests. And work with wide variety technologies, from .NET/ASP.NET/EF/MVC to PHP/HTML5/CSS3/EmberJS/BackboneJS/AngularJS/NodeJS/jQuery as well as SQL Server/MySQL/NoSQL (Casandra. MongoDB).

*Key Project:*

### **Degree53 (Kerching Mobile, Kerching Desktop, Betfred)**

*Team Size: 19 staff members · Tools: Visual Studio 2013 JavaScript (AngularJS, jQuery, Requirejs, EmberJS and backbone), HTML5 and CSS3 and Task Runner (Gulp, Grunt).*

- Strong experience in configuration webserver and task runner using various Nginx, Gulp and Grunt.
- Created forms to collect and validation data from the user in HTML5 and JavaScript.
- Expertise in developing UI/UX based GUIs using bootstraps, HTML5, JavaScript, backbone and ember js.

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- Extensive experience working in .NET framework and webservices (SOAP and Restful)
- Strong skilled in SCSS and SASS
- Self-learned technologies Nodejs, AngularJS, Ruby and typescript.

## Aussie Toolbox

*Team Size: 21 staff members · Tools: Zen Studio, PHP (Zend Framework 1.1.0), JavaScript (AngularJS, jQuery, Requirejs), HTML5 and CSS3 (integration with java and BizTalk).*

- Displayed excellent technical and resource planning expertise for the development and execution of new systems, as well as efficiently collaborated with technical architecture regarding project specifications.
- Negotiated with the technical lead to implement corrective action for problem resolution through collecting complete information of client's requirements.
- Conducted software coding, unit testing, and ORM model designing to enhance efficiency. Developed advance structure of product.

## ADDITIONAL EXPERIENCE:

**GNT Vietnam**, HCM City, Vietnam

September 2011 – August 2012

### Team leader

#### Mobion SDK and Tools

*Team Size: 6 staff members · Tools: Java, PHP, JavaScript (Bootstrap, jQuery...), Ruby on Rails, Object C, Cassandra, MySQL, Hazelcast, Memcached.*

- Lead developer working on open SDK of social network in experiences.
- Gathered requirements from the client, built integration with other system of game system.
- Software design, prototyping and investigating.
- Research suitable technical to apply the project.
- Building product framework based on java with spring
- Communicated with customers to examine and analyze software requirements and fulfilled all demands, while working with development teams.
- Documented of all technical as user cases, user stories, workflow, process diagrams, data flow, and data model diagrams.

**Candena Vietnam**, HCM City, Vietnam

Jan 2010 – September 2011

### Team leader

#### E-Cadena HRM Series

*Team Size: 4 staff members · Tools: Visual Studio 2010, C#, ASP.net, MVC 2, MS SQL 2005 & 2008, JavaScript jQuery, jQuery extend, Json.*

- Gathered requirements from the client, negotiated with Team Leader to resolve conflicting system needs.
- Software design, prototyping and investigating.
- Research suitable technical to apply the project.
- Building product framework based on core system.
- Communicated with customers to examine and analyze software requirements and fulfilled all demands, while working with development teams.
- Translate requirements into many different tangible deliverables such as functional specifications, user cases, user stories, workflow, process diagrams, data flow, and data model diagrams.

**Vina Game**, HCM City, Vietnam

November 2007 – Jan 2009

# Nguyen Ngoc Tuan Anh

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## Software engineer

### ZING portal (zing new, zing mail, zing interaction)

Team Size: 30 staff members · Tools: Visual Studio 2005, C# with ASP.net 2.0, JavaScript (Prototype, Ajax), MS SQL 2005

- Implemented web applications using .NET framework following N-tier.
- Created unit tests and integration tests.
- Designed database for tracking modules.
- Documented all code and various function tests to increase understandability and maintainability by others.

### Education & Certifications

#### **Bachelor of Science in Information Technology**

University of Science, HCM City, Vietnam

#### **Higher Diploma in Software Engineering.**

Hue-Aptech, Hue City, Vietnam

### Technical Skills

**Technologies:** Nodejs, Typescript, AWS, Kafka .NET Core, ASP.NET Core, MVVM, MVC, WPF, WCF, XAML, XML, LINQ, Git, HTML5, CSS3, Web API, Restful, OAuth, Entity Framework, Entity Framework Core, Java, PHP, NODE JS, Ruby on Rails, Angular JS, BackboneJS, EmberJS, jQuery, and JavaScript.

**Databases:** Database System (MS SQL Server, My SQL, Mongo and Casandra), Database Language

**Web Servers:** Nginx, Apache, IIS, AWS

**Others:** Strong at OOP, SOLID design principles, RESTful API, unit and integration testing using Jasmine, Karma and Chai, web services, core architecture, analyze requirements and business rules, design models, develop enterprise solutions and writing documents.

### Language Skills

English (Proficient in both written and spoken English)