

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

### Professional Experience

**Kilo**, HCM City, Vietnam

February 2022 - Present

#### **Full Stack Engineer**

I'm joining 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, Reactjs, React native, Nextjs, Next.js, Restful api, Postgress, 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**

Join 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, rds, 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**

*Continued...*

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*Team Size: 7 staff members · Tools: Nodejs, Restful api, Type Script, Kafka, Jenkins and AWS (cfm, ssm, lambda, ec2, ecs, rds, redis... ).*

- 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 by multiple models of testing, 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.
- Take corrective actions to resolve issues and maintain up-to-date whole departments by analyzing 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

Leaded 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, Circleci.*

- 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.

### **DIWIT**

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

- Played an integral role in collaboration with clients to analyse software requirements and timely fulfilled all 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 analyse requirements and delivered authentic solution to complete requirement within time constraints.

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- 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 Ngnix, Gulp and Grunt.
- Created forms to collect and validation data from the user in HMTL5 and Javascript.
- Expertise in developing UI/UX based GUIs using bootstraps, HTML5, JavaScript, backbone and ember js.
- 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 development and execution of new system, as well as efficiently collaborated with technical architecture regarding project specifications.
- Negotiated with 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 work 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.
- Get the 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 analyse software requirements and fulfilled all demands, while working with development teams.

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- 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.

- Get the 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 analyse 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

**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

- Implements web application using .net framework following N-tier.
- Created unit test and integration test.
- Designed database for tracking modules.
- Documented all code and various function test 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:** .NET Core, ASP.NET Core, MVVM, MVC, WPF, WCF, XAML, XML, LINQ, Git, HTML5, CSS3, WebAPI, Restful, OAuth, Entity Framework, Entity Framework Core, Java, PHP, NODE JS, Ruby on Rails, Angular JS, BackboneJS, EmberJS, jQuery, Typescript, 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, analyse requirements and business rules, design models, develop enterprise solutions and writing documents.

## Language Skills

English (Fluent in Written and Oral)