NGO XUAN LOC

PERSONAL INFORMATION

email	xuanloc0511@gmail.com
linkedin	https://www.linkedin.com/in/locngoxuan
github	https://github.com/locngoxuan
phone	(M) +84 904 566840 · (M) +84 396 224574

EXPERIENCE

Over the last decade, I have held a range of positions related to software development including developer, technical leader, technical consultant and software architect. I also had opportunity to work in the biggest telecom in Vietnam and one of the top 20 worldwide material handling firms in the world. During this time, I gained a lot of knowledge about internet, client-server, database, distributed and micro-services system; especially, the experience of designing software and system.

WORK HISTORY

2017–Now Fortna Vietnam

Software Architect

Part of a Fortna R&D division which is responsible for involving investigation, prototyping and development of product, tools and new technology that enhance and augment the FortnaWES product suite.

My work is focus on FortnaWES solution including:

 - Design and build the core frameworks that speeds up building lightweight, scalable and high performance backend applications and micro front-end system.

 - Support other teams in transforming our JavaEE-based legacy system to using new architecture.

 - Analyze and resolve performance issue of system.

 - Define concept, technical solution and implement POC of new products from the scratch.

2016–2017 YCTECH

Founder

It is small team that was created by me and my friends focusing on out-source area. As a technical leader of team, my focus was on strategy, solution design and problem solving.

2015–2016 Viettel Group

Backend developer

I worked for Viettel Group as a Backend and Big-Data Developer responsible for developing tools and system application for analyzing traffic on large network using many technologies like Kafka, Storm, Hadoop, Zookeeper, etc...

During this time, I was also responsible for the two large-scale projects:

 - A system for realtime filtering and blocking spam SMS (Bronze Award in IT World Awards 2016) that handles almost 1,000,000 SMS/minute and successfully block 80-90% spam SMS in the entire carrier network.

 - A realtime, large-scale storing and analyzing message system using HDFS and Map-Reduce technology that can handles over 1,000,000 messages/second.

2012–2015	Wala JSC
Android Technical Leader	I was responsible for developing a messaging application on Android.
	Besides developing UI, I spent almost time on benchmarking and improving libraries regarding the connection management, photo optimization, battery life optimization.
2010–2012	CNC Software
Android Technical Leader	My responsibility was finding the efficient solution for customers bases on their concepts and requirements. It also included designing architecture of mobile application, the communication model with other service and working as developer in some projects.
	In addition, I also spent time in research and building a few effective libraries/frameworks to improve development process, optimize UI rendering, battery and improve performance of application.

PERSONAL PROJECT

Vulcan

Github	https://github.com/locngoxuan/vulcan
Description	A simple docker-based build tool which brings to you independent and consistent build environment.
Tech-stack	GO

Xsql

Github	https://github.com/locngoxuan/xsql
Description	It is a simple library in order to support us build up a native-sql application which is able to switch among database vendors easily
Tech-stack	GO

Sqlbundle

Github	https://github.com/locngoxuan/sqlbundle
Description	Sqlbundle is a database migration tool. It manages your database schema by creating incremental SQL changes. Current version is supporting PostgreSQL and ORACLE.
Tech-stack	GO

Buildpack

Github	https://github.com/locngoxuan/buildpack
Description	Buildpack is created in order to build up an independent and consistent environment for building and publishing application by using standard containers.
Tech-stack	GO

Hermes

Github	https://github.com/hermes-solution
Description	This is centralization logging solution for on-premise docker swarm. Main purposes of its are providing traceability of flow in micro-services system,

friendly web interface for debuggability. It also is able to connect to other logging solution like ELK and GrayLog

Tech-stack GO, NODEJS, FLUENTD, CLICKHOUSE

EDUCATION

2013–2015 Military Technical Academy

Masters of Information Systems

Thesis: *Genetic programming for time series forecasting*
Description: This thesis explored the idea of genetic programming and the way its predict value in near future. Result was compared with result of ARIMA approach.

Researched on distributed system and machine learning.

2010–2012 Hanoi - Aptech

Higher Diploma Software Engineering

Learned programming, data structure and basic algorithms. I also learned software development process.

Worked with the mini e-commerce projects using PHP, JAVA and learned to built ERP by myself using JAVA.

Developed a MVC framework base on PHP for 1st and 2nd final exam.

2006–2010 University of Engineering and Technology, Vietnam National University.

Bachelor of Science in Engineering Physics

Built some simulation models base on Monto Carlo algorithm.

I were self learning PHP and joining in a few projects in university.

SKILLS

Proficient JAVA, GO, SHELL SCRIPT

Familier NODEJS, REACTJS, RUBY ON RAILS, PHP, C

Database Postgres, Redis, MySQL, MongoDB, SQLite, LevelDB, Orcale, HBase

Tool and Technologies Git, SQL, NoSQL, Docker, Microservices, Distributed System

Others Software and System design, Warehouse Operations, Warehouse Execution System

OTHER INFORMATION

Presentation 2011 · Vietnam PHP day.
Topic: *Building RESTful web-service using PHP*

Languages VIETNAMESE Mothertongue

ENGLISH · Good at reading. Listening, speaking and writing are normal