Truong Quy Nguyen

Full-stack developer & DevOps
Technical Leader, Picat Studio.

As a programming enthusiast, I have came to IT by self learning. After 4 years experience as a full-stack developer, I confidently develop an independent project with major platforms (android, iOS, back-end and front-end), even deploy and maintain operations in server side. Utils now, I have developed a total of 10 android app, 5 iOS app, 8 back-end and 4 front-end web.

Education

Bachelor of Science in Physics   2009-2013

First-rank faculty graduate in 2013, with knowledge of Physics, Math, Statistics and also C++/python/Matlab skills.
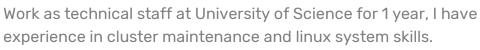
University:	University of Science HCM
Thesis:	Bose-Einstein Condensation
Supervisor:	Dr. Tri Dung Doan

Employment

Computer cluster maintenance   2013-2014

Work as technical staff at University of Science for 1 year, I have experience in cluster maintenance and linux system skills.

Department:	Computational physics Lab
Company:	University of Science HCM
Job Title:	Technical staff

Android developer   2014-2015

Start the path of professional application development, learn the processes to develop the application and understand the product life cycle.

Department:	Mobile team
Company:	Dwarves foundation Co., Ltd
Job Title:	Developer

Android / iOS developer 2015-2016

Here I learned new languages (Swift) and become a mobile full-stack developer. And this knowledges about mobile programming helped me become a mobile team leader.

Department: Software team
Company: Dinosys Inc.
Job Title: Team Leader

Full-stack developer 2016-2017

With the help of experts, I learned a lot of new experiences and languages (Ruby on Rails, Kotlin). With good project management and learning ability, I was promoted to technical leader.

Department: Software team
Company: Dinosys Inc.
Job Title: Technical Leader

Full-stack developer & DevOps 2017-present

Continuing on the full stack path, I learned more about deploying and maintaining operations in server, such as HTTP load balancer as well as balancer for database, or module by Docker container.

Department: R&D team
Company: Picat Studio
Job Title: Technical Leader

Projects

Urica - psychological tests 2014

This is a psychological tests application with multiple-choice questions. Users (patient) do the test and the result will be sent to doctors that help to diagnose and detect the disease earlier.

Role in project: Android developer
Lanuage & tool: Java (Android Studio), SQLite (DBFlow)
Service: Bitbucket, apiary.io

Cofree – Social Network   2014

App is a social network helps to connect people in real life by making a date at somewhere coffee shop.

Role in project: Android / Backend API developer
Lanuage & tool: Java (Android Studio), SQLite (DBFlow), Ruby on Rails, PostgreSQL (PGAdmin), RESTful API, Google/Facebook login.
Service: Bitbucket, apiary.io, Heroku cloud

Hachi Gift – e-Commerce system   2015

Hachi is a place to collect gifts, souvenirs, decorations, household items, handmade items from the domestic or imported from abroad.

Role in project: Android / Backend API developer
Lanuage & tool: Java (Android Studio), SQLite (DBFlow), PHP (Laravel), MySQL (phpmyadmin), HAProxy (HTTP Balance), RESTful API
Service: Bitbucket, apiary.io, Linode VPS, Amazon S3

Pear comms – Sales tools   2015

Developed for the purpose of engaging users and service providers such as spa, beauty salon etc. and users can book appointments directly on the app.

Role in project: Android developer
Lanuage & tool: Java (Android Studio), SQLite (DBFlow), RESTful API
Service: Gitlab, apiary.io

Warehouse checker   2015

check inventory at supermarkets, monthly reports are send to the manager. This application can handle up to millions of rows of data generated monthly, synchronized to the server and managed by CMS

Role in project: Android / iOS / Backend developer

Lanuage & tool: Java (Android Studio), SQLite (DBFlow), Swift (iOS), Realm database, PHP (Laravel), MySQL (phpmyadmin), HAProxy (HTTP Balance), RESTful API, OpenMailBox, Docker Container.

Service: Bitbucket, apiary.io, Linode VPS, Amazon S3

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mCashier – Inventory management   2016

Application that used to let shop owner can manage their warehouse, stock, account, customer. All data is save on server that will help to keep data safe for their business.

Role in project: iOS / backend developer

Lanuage & tool: Swift (iOS), Realm database, Ruby on Rails, PostgreSQL (PGAdmin), RESTful API, Nginx (HTTP Balance), Google/Facebook login.

Service: Bitbucket, apiary.io, Firebase, Fabric, Linode VPS, Amazon S3.

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Echoop – Travel social   2016

Application is the simple, fun and free way to track travel. It tracks your route, locations and places you have visited during traveling. Echoop allows you to share trips, journeys and photos with others on Echoop or social networks.

Role in project: Technical Leader

Lanuage & tool: Java (Android Studio), SQLite (DBFlow), Swift (iOS), Realm database, Ruby on Rails, PostgreSQL (PGAdmin), Java - backend (Spring), RESTful API, Nginx (HTTP balancer), PGPool-II (Database balancer), MQTT (broadcast data), Kafka (Data pipelines), Minio (Storage Server), Data Warehouse (Big data), Facebook bot, OpenStreetMap (Open-source map), leafletjs (Javascript for map), OpenMapTiles (Data map tile), Google Map direction, Foursquare api, Google/Facebook login, Docker Container.

Service: Github, apiary.io, Firebase, Fabric, Linode VPS, Amazon S3, Google analytics, Google webmaster, Zeplin, Wordpress.

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Sunny World – Real estate e-commerce   2017

This is project that build for Sunny World Corporation. Out client need an e-commerce website for real-estate using 3D technology to help user can view all detail in rooms.

Role in project: Technical Leader
Lanuage & tool: Ruby on Rails, PostgreSQL (PGAdmin), Nginx (HTTP Balance), MatterPort (3D house model), OnePay (Payment Gateway), Minio (Storage Server).
Service: Github, Owner VPS, Amazon S3, Google analytics, Google webmaster.

WMC Loyalty   2017

The android and ios app for WMC Group Prestige Members, where you can find out the latest news, events and special offers from WMC's collection of hotels and restaurant.

Role in project: Mobile Team Leader
Lanuage & tool: Java (Android Studio), SQLite (DBFlow), Swift (iOS), Realm database, Google Map, Google Geolocation, FCM (Notification).
Service: Github, apiary.io, Firebase, Fabric.

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mRunner – Fitness Tracker with GPS   2017

Help user to track their running, jogging or cycling using GPS and maps with smart optimizing battery. Report summary everything from calories burned to total steps or average speed.

Role in project: Technical Leader
Lanuage & tool: Kotlin (Android Studio), SQLite (DBFlow), Swift (iOS), Realm database, Ruby on Rails, PostgreSQL (PGAdmin), RESTful API, Nginx (HTTP balancer), PGPool-II (Database balancer), MQTT (broadcast data), Redis (in-memory storage), Google Map, Google/Facebook login, Android/iOS in-app Purchase.
Service: Bitbucket, apiary.io, Firebase, Fabric, Google webmaster, Appannie, ASOdesk, Zeplin.

EPB – Employee benefits platform   2018

Solution for employers to provide employees with benefits that they can easily redeem using vouchers.

Role in project: Technical Leader
Lanuage & tool: Ruby on Rails, PostgreSQL (PGAdmin), GraphQL API, Nginx (HTTP balancer), PGPool-II (Database balancer), Google/Facebook login, AmCharts.
Service: Github, DigitalOcean, Firebase, Marvelapp, Lucidchart. The Coffee House eVoucher api, Epay (VNTP) api, Nhaccuatui voucher api.

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Mobile - Tech stacks   2014-present

Android – Java: 4 Year
Android – Kotlin: 1 Year
iOS – Swift: 3 Year

Mobile tools: Android/iOS in-app Purchase, Google Map, GCM/FCM (push notification), SQLite, Realm database,

Tech stacks

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Web Backend/Frontend - Tech stacks   2014-present

Ruby on Rails: 3 Year
PHP – Laravel: 1 Year
Java - Spring: 1 Year

Database: MySQL, PostgresQL, MongoDB.
Frontend tools: HTML5, Jquery, CSS3, Bootstrap.
Backend tools: HAProxy, Nginx (HTTP balancer), PGPool-II (Database balancer), MQTT (broadcast data), Kafka (Data pipelines), Redis (in-memory storage), RabbitMQ (Message broker), Elasticsearch (search engine), Kibana / Splunk (Visualize data), Minio / Amazon S3 (Storage Server), Data Warehouse (Big data), Facebook bot, OpenStreetMap (Open-source map), Leafletjs (Javascript for map), OpenMapTiles (Data map tile), Google Map, Foursquare (seaching location), Google/Facebook login, CertBots (SSL service), Docker Container, Jenkins, Logstash, Elasticsearch, Kibana.
Service: Bitbucket, Github, Gitlab, DigitalOcean, Linode, Amazon S3/EC2, Godaddy, Cloudflare, Apiary.io, Firebase, Fabric.