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Quang Nguyen

Software Engineer

GitHub: duyquang6
Website: ligt.dev
LinkedIn: duyquang6

- Interest in Distributed and Scalable System, Data Structure & Algorithm, Web development, and also new technologies like Blockchain, IoT.
- Desire to work in dynamic environment, promote the connection between employees and team spirit. Willing to improve professional skills through working and training
- Listen and respect other's opinion, having arguing skill in work and being versatile member
- Life motto: work hard and work smart, sharing to be better

Skills

Tools and Languages	Golang, Python, Scala, Java, ElasticSearch, MySQL, Postgres, Debezium
Framework	Gin, Beego, Sanic, Play, Akka
Problem-solving	Analyze the factor, causes, then generating a set of alternative interventions to achieve end goal and find the best solution
Self-study	Willing to learn from any source with logical thinking, eager to read technical document
Language	English (Professional working proficiency), French (reading and writing)

Technical Experience

Software Engineer II / Automatic License Plate Recognition Cloud Services **Apr 2021 — Present**
AXON *Ho Chi Minh City, Vietnam*

Take responsibility building services for ALPR(Automatic License Plate Recognition) hub applications including Hotlist/Suspend List Management, Read Hit record management, Hotlist/Suspend List Distribution mechanism.

- Stack: Scala, Python, MySQL, Debezium, Kafka, ElasticSearch, Cassandra, Azure Blob
- Designing implementing Suspend List feature, improving Hotlist Distribution flow, Hotlist offset generator,...
- Conducting design review session with others team and Vice President
- Writing 1-3-1 technical design spec from feature spec. Divide into tasks and do task estimation.
- Continuous optimizing algorithm, query rewriting, caching
- Coaching new members, participate interview process.
- Taking responsibility for deploying many environment production.
- Unit test Grafana monitoring

Software Engineer L3 / Order Routing Service **Apr 2020 — Apr 2021**
Tiki Corporation *Ho Chi Minh City, Vietnam*

Order Routing Service is a function utilized for routing orders to the right warehouse with optimal delivery time and cost. With several fulfillment centers across the country, 64 provinces and a combination of 7 fulfillment types and business types behind

- Stack: Python, Go, Postgres, Kafka, Redis
- Developing high read intensity API traffic, designing database model
- Continuous optimizing algorithm, query rewriting, caching
- Take responsibility to deploy feature and maintain system stability if any incident happening
- Refactoring code to hexagonal architecture, unit-testing business
- Documenting API, technical design blandit.

Backend Engineer / Merchant Platform **Sep 2019 — May 2020**
VinID *Ho Chi Minh City, Vietnam*

- Stack: Go, Microservices, Redis, Kafka, MySQL, Algolia, Docker
- Developing high intensity traffic public API for mobile & website application
- Applying event-driven architecture with Kafka streaming
- Refactoring spaghetti code
- Applying multi-threading improve performance, developing security middleware(XSS filter, authorization authentication)
- Working with multiple services
- Building boilerplate, skeletons source code

Education

Ho Chi Minh City University of Technology - Vietnam National University 2014 - 2019
Excellent Engineer Training Program Vietnam-France (PFIEV) European – Accredited Engineering Master Degree Program
Degree: Master 1
Major: Telecommunications 1
GPA: 8.33

Languages

English 2018 - 2020
TOEIC Listening Reading 835, Toeic Speaking Writing 275
French 2017 - PERMANENTLY
DELF B1

Activities

KMS Techcon 2019 Speaker presentation Oct 2019
Consolation prize (top 14) in Bach Khoa Innovation competition 2018 Jul 2018
Top 8 Raise Your Arm 2017: The robotics competition Jan 2018

Publications

Detecting and counting eyes blink using Haar Cascade. A handy way to diagnose dry eyes disease 2018, 2017
https://link.springer.com/chapter/10.1007/978-981-13-5859-3_78 BME, ISEE