LAM **PHAM**

SENIOR SOFTWARE ENGINEER

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Work Experience

GRAB, SENIOR SOFTWARE ENGINEER - BACKEND   *Singapore, Sep. 2022 - Now*

- In-charging of food search function at Grab to support **millions of users** in many different scenarios.
- Refactoring, monitoring and maintaining Grab Food search project to handle **thousands of QPS**.
- Tech Stacks: Go, Grpc, Kafka, Mysql, Redis, Kibana, AWS, Datadog, Hive, Presto, ElasticSearch.

TIKTOK, SOFTWARE ENGINEER - BACKEND   *Singapore, Oct. 2021 - Sep. 2022*

- Designed, implemented and monitored high scalable software products related to payment with high QPS up to **300** at average, tune systems to boost performance
- Implement features to support business programs to onboard **thousands** of TikTok creators to make money from TikTok legally.
- Mentored **3 new hires** for onboarding.
- Got E (Excellent - top 10% for employee review and got a Spot Bonus for excellent new employees.
- Tech Stacks: Kafka, RocketMQ, Go, Redis, Grpc, Thrift, Mysql, FaaS, Grafana and other in-house monitoring tools.

SEA GROUP, SOFTWARE ENGINEER - BACKEND   *Ho Chi Minh, Sep. 2018 - Apr. 2021*

- Worked on Food-Delivery Now project as online platform to help **millions** of users order food provided by restaurants.
- Contributed to system design, migrated monolithic application to microservices architecture **double number of QPS**.
- Refactored legacy code to scale up backend service **3 times** in terms of request handling and reduce response time of APIs at least **2 times**.
- Tech Stacks: Python, Mysql, Pika(NoSQL), Redis, Django, Go, Kafka, K8S, Grafana, Kibana, Sentry, Grpc.

Education

The University of Aizu   *Aizu Wakamatsu, Japan*
B.S. IN COMPUTER SCIENCE   *Sep. 2016 - Sep. 2018*

- Got a MEXT scholarship (Japanese government) in 2016.

Honors & Awards

- **3rd Prize** in the Company (SEA Group) Hackathon.   *2020*
- **Runner-up paper award** on the topic of Semantic Text Alignment based on Topic Modeling.   *2016*

Skills

- **Programming languages**: **Golang** (3+ years), **Python** (4+ years), C++ (2 years in ACM-ICPC club).
- **Technologies**: Kafka, Redis, ElasticSearch, Mysql, Cronjob, Pika(NoSQl), Kibana, Grafana, K8S, Datadog, Hive, Presto.
- **Others**: Git, Bash, Linux.