

HUY DU

SOFTWARE ENGINEER

PERSONAL PROFILE

Especially passionate about financial and technology, I always desire to explore and be able to create innovational products to solve complex problem related to it. Extremely motivated to constantly develop my skills and grow professionally day by day

AREAS OF EXPERTISE

- System Analysis
- Test Driven Development
- Optimization
- Machine Learning (Deep Neural Network)
- Agile Methodology
- Continuous Integration and Delivery
- Database Modelling
- Software Testing and Debugging

TECHNICAL TOOLS

- Terminal (Vim, Emacs, Tmux)
- Golang, Ruby (Rails, Hanami)
- PostgreSQL, Oracle, Redis, MongoDB
- Kafka, NATS, Vault, Consul, Kubernetes, Docker, Helm, Traefik
- Google Cloud Platform

LET'S WORK TOGETHER!

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UNIVERSITY OF INFORMATION TECHNOLOGY

BE Information System | 2020

- Pursued a passion for programming, software development, distributed system
- Research and learn more about Deep Learning, Neural Network
- Thesis: Building a system for predicting stock price trends (Grade: 8.89/10)

PROJECTS AND EXPERIENCES

ASCENDA LOYALTY

Software Engineer | Feb 2020 - present

- Contribute as Backend roles
- Develop end-to-end loyalty solutions for financial institutions and travel brands worldwide
- Participate in all aspects of a project, from design and development to testing

THE ORCHESTRATION LAYER FOR COMPLEX SERVICES

- Build, design and architect backend services, APIs across end-to-end loyalty platform
- Take ownership in the development of backend products
- Maintain and improve high availability and throughput systems - handling millions of requests per day for customers globally
- Work with engineers from multiple teams to develop and design reliable, performant and secure services
- Solve problems in financial domains, such as performance optimisations, building flexible business logic, improving security.

DWARVES FOUNDATION

Software Engineer | Apr 2019 - Feb 2020

- Contributed as DevOps and Backend roles
- Responsible for overseeing and configuring infrastructure to products and systems of the company
- Worked on maintenance and enhancements for existing applications

THE CLOUD PRODUCT MANAGEMENT PLATFORM

- Integrated Google Cloud Services API, Kubernetes Client API to define resources, deployment steps and deployment configurations
- Improved deployment flow to automatic deployment process for a complex product, from multiple Kubernetes resource types and Google Cloud Services
- Managed several Google Cloud Services comprising GKE, VPC, GCS, etc. by GCS go-client library
- Created integration test for CI/CD workflow by using Taiko and Gauge

THE COMMUNICATION PLATFORM FOR THE CALENDAR

- Developed feeds integration from public schedule API or XML file to partners, who want to public their calendar for their consumers
- Managed calendar communications, marketing and data through microservices which developed for partners
- Built services to migrate microservices infrastructure from PHP to Golang, using Gin, MongoDB, PostgreSQL

THE TRAVEL LOG IN YOUR POCKET

- Maintained and bug-fixed existing application and infrastructure
- Orchestrated and managed the provisioning, dynamic configuring, monitoring and spend optimization of the infrastructure in cloud environments
- Migrated the message streaming system from Kafka to NATS