

HUY DU

SOFTWARE ENGINEER

PERSONAL PROFILE

Especially passionate about finance and technology, I have always desired to explore and be able to create innovative products to solve the complex problems related to them. Extremely motivated to constantly develop my skills and grow professionally day by day

AREAS OF EXPERTISE

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

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

PROJECTS AND EXPERIENCES

ASCENDA LOYALTY

Software Engineer | Feb 2020 - present

- Build, design, and architect backend services, APIs across end-to-end loyalty platforms.
- 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 optimizations, building flexible business logic, improving security.
- Communicate with the appropriate teams to ensure that features are delivered with the highest quality and in accordance with standards.
- Understand the business and the business impact of the code.

THE ORCHESTRATION LAYER FOR COMPLEX SERVICES

- Work collaboratively with engineers, designers, testers, and product managers to deliver features from client complex requirements.
- Take ownership and lead the development of features from requirements definition to successful deployment.
- Contribute to solution design and architecture of teams.
- Setup, monitor, identify and relieve bottlenecks and restraints on production systems.
- Finding elegant solutions to hard technical problems relating to the backend-side, within our custom-built application.
- Communicate technical decisions through design docs, tech talks, and the wiki.

DWARVES FOUNDATION

Software Engineer | Apr 2019 - Feb 2020

- Contributed as DevOps and Backend roles
- Responsible for overseeing and configuring infrastructure to client products and company's systems
- Work on maintenance and enhancements for multiple offshore products simultaneously worldwide
- Collaborate with internal team and client on-site team to analyze, design, and build new applications depending on client requirements

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 CICD workflow by using Taiko and Gauge