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

- 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 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 optimizations, building flexible business logic, improving security.
- Communicates with the appropriate teams to ensure that features are delivered with the highest of quality and in accordance to standards

THE ORCHESTRATION LAYER FOR COMPLEX SERVICES

- Troubleshoot, maintain and test across internal services
- Work collaboratively with multiple services and product teams to deliver features from client complex requirements
- Take ownership and leading the development of features from requirements definition to successful deployment with many teams
- Contribute to solution design and architecture of team
- Setup, monitor, identify and relieve bottlenecks and restraints on production systems

THE GIFT CARD SERVICE

- Improve product reliability through log and error analysis, and coding to prevent recurrence
- Manage and integrate multiple supplier complex data sources into service modeling
- Develop and improve APIs that use by different services
- Design, implement and enhance various core features like PII encryption, multi-tenancy supporting, fulfillment, etc.

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
- Worked on maintenance and enhancements for multiple offshore products simultaneously worldwide

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