

# Hoang Dinh Son Duong

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## EDUCATION

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University of Science, Vietnam National University  
Information Technology

Sep 2015 - Sep 2018

## WORK EXPERIENCE

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**ZaloPay - E-Transaction platform. VNG Corporation, Vietnam**

**Full-stack Engineering:**

**Jan 2018 – now**

**Gateway back-end micro-services for integration between ZaloPay (e-transaction) and Zalo (social platform). Develop and maintain:**

**Jan 2020 - now**

- Ensuring latency, availability and integrity of services.
- Handling high and rapid level of user, request through queuing message.
- Implementing APIs, support as request for multiple departments.
- 4 million requests daily. Peak 2 million requests per hour, daily.
- 500,000 monthly active users. Peak at 4 million.
- Unit tests 80-90%. Integration tests with CI-CD. Debug test suite for local dev.
- Lang: Golang. Data-storage: Kafka, Redis. Monitor: Prometheus (metrics), Grafana Loki, Scribe log. Deploy: Docker, HashiCorp Nomad + Consul, NGINX, Traefik.

**Back-end micro-services for monthly social events. Handling user activities:**

**Jun 2020 – now**

- Maintain user activities log for tracing, enquiring. Support Customer Service team.
- Implement and develop gateway
- Implement and develop UI/UX for gameplay event.
- 500,000 – 1 million requests daily. 1 – 4 million monthly active users.
- Unit tests 80%. Integration tests with CI-CD. Support Load testing.
- Lang + Framework: Same as above.

**Full-stack developer for ZaloPay, Web-app platform. Billing, Agreement-Pay(Auto-debit) services department:**

**Mar 2020 – now**

- Implement new features, services on demand from business departments. Billing services related: tuition-fee, electric, water bill,... , auto-debit.
- Implement UI through the provided resources (html, css).
- Ensure good UX. Handling user-story flow through provided APIs.
- Framework: React, Swagger, NGINX, Traefik, CDN.

**360Live – Social video streaming platform. VNG Corporation, Vietnam. Full-stack:**

**Jan 2018 – Jan 2020**

- Develop micro-services for streaming platform's and social game events. Handling user activities, feature using Java, Spring/Spring Boot.
- +10,000 monthly active user.
- Develop back-end architecture.

- Develop front-end web service streaming using React.
- Develop monthly campaign to increase user engagement.
- Data-storage: Redis, Kafka, MySQL.