

# Tran Hoai Nam

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## ADDITIONAL SKILLS

- 7+ years experience in web technology, expertise in Nodejs, PHP, Reactjs, NoSQL and SQL
- 3+ years experience in payment processing system, 3 years in vacation rentals platforms, 1 year in eCommerce
- 2+ years in team management including team building, member assessment, mentor and training, motivation
- Architectural planning and design
- Deep understanding in distributed system and event-driven architecture
- Solid knowledge in AWS, especially Serverless technologies
- Advance knowledge in software delivery, CI/CD
- Solid experience in AWS networking security and data security

## EXPERIENCE

### LIT TECHNOLOGY

*Principal software engineer*

*Oct 2020 – Present*

My scope spreads from software development , architectural planning and design, to team management

- Implement core components (Ex: public API for online payment, QR payment, installment payment processing...)
- Translate the business requirements from PO into software design and architecture.
- Providing estimates and refining it as part of an agile project
- Distribute the implementation work among the team members (e.g. task breakdown, acceptance criteria etc.)

Achievements:

- Recruit and build 3 teams Frontend, Backend and Mobile with total 11 members and 3 leaders
- Reduce failure to almost 0 for distributed transactions with unreliable payment gateway by applying queue to build a auto-healing mechanism
- Implement zero-downtime deployment with ECS rolling update, Codepipeline and Code Deploy
- Utilize AWS Shield, WAF and private subnets to enhance system networking security and protect system from layer 4 and 7 attaches
- Decrease 70% infra cost and improve scalability and performance for Frontend by convert from ECS tasks to AWS Amplify, Cloudfront and S3
- Implement credentials, logs, data, media security with AWS KMS encryption, Secret Manager, and regular secret rotation

## PAN ASIA HOLDING

*Principal software engineer*

*May 2020 – Oct 2020*

My scope spreads from software development , architectural planning and design, to team management

- Design, develop, and maintain E-commerce platform on AWS
- Assist other engineers for keeping track of the source code, build process, and configuration management
- Identify and drive opportunities to improve automation for the company; scope and create automation for deployment, management, and visibility of our services
- Prepare the estimates of the software development and execution

Achievements:

- Safety store system credential in iam-accessed distributed storage (AWS secret manager) , but still put additional layers of protection with regular rotation and AWS KMS encryption
- Build high-availability and auto scaling system with AWS Load Balancer + Auto Scaling + Elastic Beanstalk + Serverless Aurora.
- Leverage Gitlab for full CI/CD circle

## YOUR RENTALS

*Software engineer*

*Nov 2017 – Feb 2020*

Scope: design, develop, and maintain full-stack internet-scale web applications on AWS

Achievements:

- Reduce 12% to 40% of total merchant commission by established direct connections (Tripadvisor, Booking.com, Agoda)
- Help expanding business to South American countries by adding \*Payoneer\* and Paypal as payout methods
- Decrease instances restart from ~2x to 0 per day due to memory overhead in core services by moving all reports to BI (Redshift + Quicksight) and moving batch processing to Serverless Computing Service (AWS Lambda)
- Pineline data from main storage to data warehouse with DynamoDB daily backup -> S3 -> Lambda -> Redshift
- Implement in-house distributed tracing with request ID to faster the debugging time

## CERTIFICATES

- IELTS - 6.5
- Zend Certified Engineer (ZCE)

## REFERRERS

- Stephane Masse - Former CIO ([Linkedin](#))
- Umberto Giacobbi - Former CTO ([Linkedin](#))