

AN TRAN

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SENIOR SOFTWARE ENGINEER

Experienced Senior Software Engineer with over 10 years of experience developing complex, high-performance applications in the eCommerce and financial domains. Demonstrated expertise in designing and implementing scalable backend architectures using PHP, JavaScript, and Go. Additionally, had 3 years of hands-on experience using Java for building enterprise applications. Strong track record of delivering robust, maintainable systems that enhance performance, reliability, and business value. Skilled in driving technical solutions from concept to deployment, with a focus on clean code, automation, and system optimization in fast-paced, Agile environments.

- Problem-Solving • Object-Oriented Programming (OOP) • Database Management • Web Applications • DevOps
- Software Architecture • Multithreading • Test-Driven Development • CI/CD • Containerization and Virtualization

Languages: PHP, JavaScript

Web: HTML5, CSS, Vue, React

Web Services: REST, SOAP, gRPC, JWT, CORS, API Gateways, OAuth 2.0

Web/App Servers: Apache, Nginx

Frameworks: Spring, Symfony, Flesk, Gin, WordPress

Databases: MySQL, PostgreSQL

Design Patterns: SOLID, Singleton, Factory, Composite, Decorator

SDLC: Agile Model, Scrum, Kanban

Tools: Maven, Compose, IntelliJ IDEA, GoLand, TablePlus, PHPStorm, GitLab, ArgoCD, Kubernetes, RabbitMQ, Git, JIRA, Notion, Slack, Docker, Podman

Platforms: MacOS, Linux, Google Cloud Platform, Oracle Cloud Infrastructure, S3, AWS CDN

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

TAMARA VIETNAM, Ho Chi Minh city, Vietnam • 02/2020 – 10/2024

Tamara is the leading fintech platform to shop, pay and bank in Saudi Arabia and the wider GCC region.

Technical Leader (08/2022 – 10/2024)

Designed, developed, and implemented backend services (microservices) for the Buy Now Pay Later platform.

- Implemented the Shop Tab service using Golang, resulting in a 12% reduction in latency and handling sustained traffic of 10,000+ requests per minute from millions of Tamara customers.
- Architected all services Golang following Domain-Driven Design (DDD) principles, resulting in a 20% reduction in deployment time and facilitating seamless scaling through a microservices architecture for future growth.
- Integrated all services with the Gloo API gateway for efficient traffic handling and seamless Kubernetes (K8s) adaptation, significantly reducing service downtime and improving overall system resilience.
- Led a cross-functional team of six (backend, mobile, frontend, and QA), achieving a 95% on-time project delivery rate and improving team velocity by 10% through agile methodologies.

Senior Software Engineer (05/2020 – 08/2022)

- Contributed to the design of the checkout service using PHP, enabling the processing of millions of transactions within the Tamara app and reducing checkout abandonment rates by 10% within 6 months.
- Leveraged Spring Boot and Elasticsearch to create the Product Search service, enhancing product searchability for Tamara customers and significantly improving search query response time.
- Implemented the Partner Portal service using PHP, empowering thousands of merchants to efficiently manage their data (orders, customers, goods, etc.) and reducing merchant support tickets within the first year.
- Developed the Onboarding service using PHP, enabling thousands of guests to register as Tamara customers and increasing new user registrations by 9% within 3 months.
- Streamlined service deployments by integrating them with Gitlab Pipelines and ArgoCD with Helm chart configurations, reducing deployment cycles by 10% and improving release frequency.
- Utilized RabbitMQ for asynchronous data synchronization between services and background job execution, significantly improving service scalability and reducing data processing time by 20%.

Technologies Used: PHP, Symfony, Java, Spring Boot, GoLang, Gin Framework, Oracle Cloud, Gitlab, ArgoCD, docker, mysql, Elasticsearch, Redis, RabbitMQ, Gloo API Gateway, Apache Superset, Kubernetes, newrelic.

MPC LOGISTICS LTD, Ho Chi Minh city, Vietnam • 09/2019 – 02/2020

A Freight & Logistics solution.

Team Lead

Built management logistics application.

- Spearheaded the development of a logistics management application for MPC Ltd, leading a 9-person team to deliver a scalable solution leveraging Odoo ERP.
- Engineered a Golang-based API gateway to bridge the Odoo backend with the mobile client, ensuring secure and efficient communication between systems.
- Deployed and monitored the application on Google Cloud Platform (GCP), enabling high availability and streamlined DevOps workflows.
- Addressed core logistics challenges in the Vietnamese market by delivering data-driven insights on ROI, workforce utilization (employees, drivers, trucks), and comprehensive fee calculation.
- Empowered MPC Ltd to optimize operations and improve decision-making through integrated performance analytics and automation.

Technologies Used: Python, Odoo, GoLang, Google Cloud Computing, Firebase.

LAZADA GROUP | ALIBABA GROUP, Ho Chi Minh city, Vietnam • 03/2014 – 03/2019

A leading eCommerce platform.

Sr. Software Engineer

Ensured a smooth and error-free checkout process for users.

- Integrated Mandiri Virtual Bank Transfer, CIMB, and HelloPay payment gateways, expanding payment options for users by 15% and increasing successful transaction rates by 5%.
- Enhanced the checkout experience on the Lazada website by maintaining and optimizing core functionalities, resulting in a significant reduction in checkout abandonment rates within the first quarter.
- Maintained and extended PayPal and Cybersource payment methods, ensuring 99.9% transaction success rates and reducing payment related support tickets.
- Developed and maintained a state machine, implementing new features that optimized order status management and reduced order processing time by 12%.
- Utilized RabbitMQ for asynchronous communication, Nginx for web server optimization, and Redis/Memcached for caching, resulting in a 25% improvement in application response time and a reduction in server load.
- Leveraged Java and Spring Boot to maintain and enhance the LiveUp feature based on AliStack, enabling seamless integration of external promotions and increasing user engagement with promotions by 10%.

Technologies Used: Java Spring Boot, PHP, Golang, MySQL, Memcache, RabbitMQ.

ACADEMIC PROJECTS

Maharishi International University (2025)

Car Rental System: A comprehensive car rental system application developed to manage vehicle fleets, customer interactions, and booking workflows. Key functionalities include inventory management, online reservations, payment processing, and user authentication. The system is built using React for frontend, Node.js for backend, MYSQL for database. Utilized React, Nodejs MySQL.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 06/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: Algorithms, Cloud Computing, Software Engineering, Web Application Programming

Bachelor of Science in Software Engineer

An Giang University, An Giang, Vietnam (08/2011)

CERTIFICATIONS

[Certified Kubernetes Application Developer](#) [Last Name: An, Certificate ID: LF-ho370ehgk4] (10/2023)