

PHYLICIA HUYNH

Senior Backend Software Engineer

Ho Chi Minh City, Vietnam

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PROFESSIONAL SUMMARY

Senior Backend Software Engineer with 12+ years in software engineering across commerce, logistics, and advertising. Experience includes production workflow orchestration, marketplace integration, and Kubernetes delivery infrastructure. Balances system correctness, operating cost, and implementation effort when evolving established platforms.

TECHNICAL EXPERTISE

Languages: Go, PHP, SQL

Backend & architecture: Distributed systems, microservices, event-driven architecture, REST, gRPC

Workflow orchestration: Conductor (Vestiaire Collective), Temporal (DSS order lifecycle)

Data & messaging: Kafka, MySQL, MariaDB, PostgreSQL, Redis, Elasticsearch

Cloud & delivery: Kubernetes, GCP/GKE, AWS RDS, Terraform, Helm, Helmfile, Azure DevOps, CI/CD

Testing & reliability: Unit testing, Cypress, distributed tracing, Datadog, Grafana, Kibana

AI-assisted engineering: Reusable agent skills, codebase investigation, implementation and test automation

PROFESSIONAL EXPERIENCE

Senior Backend Engineer - Vestiaire Collective

May 2024 - Present

- Modernize PHP/Symfony and Kafka order workflows incrementally, preserving compatibility and aligning consistency and recovery with business risk.
- Developed a leadership-approved workflow modernization plan after comparing Conductor, Temporal, hosting options, staffing, and maintenance costs; implementation planning is underway.
- Operate Conductor workflows and workers; investigate execution, retention, and MariaDB/RDS performance to maintain production reliability.
- Delivered Zalando order and fulfillment integration across reservations, inventory, and per-line workflows, coordinating implementation with business and operations teams.
- Build reusable agent skills that capture system context for routine implementation and debugging, with engineering review and validation.
- Deliver frontend changes, Python services, and Conductor Java investigations with AI assistance; validate service boundaries through Cypress end-to-end tests.
- Supported Kubernetes infrastructure and CI/CD for an authenticity POC, then took on implementation of near-match photo detection in Python using PDQ and DINOv2 for a duplicate-listing project.

Senior Software Engineer - Ninja Van Tech Lab

Aug 2023 - May 2024

- Designed and delivered Go services for grocery distribution in the Mart business unit, coordinating teams around Kafka, MySQL, and Elasticsearch solutions.
- Increased unit-test coverage for Mart business unit services from approximately 25% to 70%; strengthened production dashboards, monitoring, and alerting.
- Mentored engineers through design and implementation feedback, and planned feature rollouts to avoid downtime and user impact.

PROFESSIONAL EXPERIENCE - CONTINUED

Senior Backend Engineer - Digital Signal Service Co., Ltd

Sep 2021 - Jun 2023

- Contributed to rebuilding Onramp deployment infrastructure and CI/CD with Azure DevOps, GCP/GKE, Terraform, Helm, and Helmfile for repeatable service delivery.
- Established backend development and delivery practices, technical documentation, and guidance for engineers building internal platforms.
- Designed and implemented a Temporal-backed order-lifecycle state machine handling approximately 10x the previous production order volume.
- Delivered backend services for Store/Kitchen tools deployed across Highlands Coffee stores, supporting order processing and restaurant operations.
- Integrated ShopeeFood, Zalo, and GrabExpress with internal ordering and operational workflows using Go and PostgreSQL services.

Backend Engineer to Senior Backend Engineer - Grab

Jun 2019 - Aug 2021

- Built multi-currency support for the ads management platform and delivered a merchant self-service advertising platform.
- Built targeting-query configuration that enabled non-technical operators to manage advertising targeting.
- Improved reliability around unstable third-party dependencies in Go/MySQL microservices and distributed data flows.

Backend Engineer - Sendo Technology Joint Stock Company

Jul 2017 - Jun 2019

- Maintained a large PHP monolith and progressively migrated functionality into Go microservices, including checkout and product services.
- Built Salesforce integration and message-broker functionality within an e-commerce stack using MongoDB, Redis, and Elasticsearch.

EARLIER EXPERIENCE

Web Developer - YouNet Joint Stock Company

Oct 2013 - Jun 2017

Customized PHP/SocialEngine products with Zend Framework and MySQL, translating customer requirements into implementations and coordinating delivery.

Web Developer Intern - BeyondEdge Pte Ltd

Oct 2012 - Jun 2013

Developed and customized PHP/Joomla plugins for customer websites.

EDUCATION

Bachelor of Information Technology

Hoa Sen University | 2009 - 2013

Ho Chi Minh City, Vietnam