Pham Van Hung

Software Engineer

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Summary

Software Engineer with 3+ years of experience in backend development, DevOps, and security engineering. Passionate about building scalable, reliable, and secure systems and solving complex technical challenges. Seeking opportunities to create impactful solutions and grow as a senior engineer

Education

B.Eng. Ho Chi Minh City University of Technology, Information Technology — Thu Duc City, Ho Chi Minh City, Vietnam
- GPA: 3.75/4.0
- Awarded Outstanding Student of the Program (2019-2023)

Sept 2019 – Sept 2023

Experience

AS Solutions, Backend Developer (Golang/Python) — District 3, Ho Chi Minh City, Vietnam
Oct 2023 – present
2 years 5 months
- Designed and implemented scalable backend services and database systems for high-volume data processing
- Built microservices architecture using gRPC
- Engineered distributed data ingestion pipelines integrating external internet sources and internal services
- Automated data processing workflows to improve operational efficiency and reliability
- Built large-scale monitoring systems for internet and social media intelligence gathering
- Developed real-time notification infrastructure serving end users
- Aggregated and analyzed cybersecurity intelligence, including vulnerabilities, threat data, and breach datasets
- Conducted vulnerability scanning and security assessments of internet-facing assets
- Applied AI/ML techniques to cluster, deduplicate, and classify large-scale internet data for intelligent information processing
- Developed centralized cybersecurity data management systems supporting security teams and ecosystem products
- Containerized and deployed services using Docker, Docker Compose and Kubernetes in production environments
- Designed CI/CD pipelines to automate testing, build and deployment
- Monitored and improved system reliability, scalability, and performance

Bestarion, Backend Developer (Ruby on Rails) — District 12, Ho Chi Minh City, Vietnam
Sept 2022 – Mar 2023
7 months
- Designed and developed internal web applications to support company operations and employee activities
- Collaborated with stakeholders to gather requirements and improve system usability
- Maintained and enhanced existing web systems to ensure performance and reliability

Skills

Programming Languages: Go, Python, Java, Ruby

Frameworks & Libraries: Gin, Beego, GORM, entgo, FastAPI, Spring Boot, Ruby On Rails

Databases & Storage: PostgreSQL, MySQL, MSSQL, MongoDB, Neo4j, Milvus, Redis, MinIO

Distributed Systems & Messaging: Kafka, RabbitMQ, NSQ, gRPC, Protobuf, REST APIs, WebSocket

Containerization & Virtualization: Docker, Kubernetes, CI/CD, Rancher, VMware, VirtualBox, QEMU, Proxmox

Monitoring & Observability: Prometheus, Grafana, ELK Stack, Jaeger, OpenTelemetry

System Architecture: Microservices, Monolith, Clean Architecture, MVC

Networking & Infrastructure: Nginx, HAProxy, NetBird, SSH, OpenVPN, SCP, Linux, Windows

AI/ML: Ollama, Hugging Face, OpenRouter

Testing: Postman, Insomnia, Swagger, REST Client

Additional: Git, GitHub/GitLab/BitBucket, Jira/Trello, Confluence, Visual Studio Code, IntelliJ IDEA

Projects

Search Engine
Nov 2023 – present

Search for anything on your computer inspired by Everything

- Architected and implemented a cross-platform file indexing system for Windows and Linux using Go and Clean Architecture
- Built a real-time filesystem monitoring pipeline to synchronize data with PostgreSQL and Elasticsearch
- Indexed file metadata and extracted document content (Word, Excel, PowerPoint, ...) for full-text search
- Developed high-performance REST APIs with Gin and Beego using GORM for data access
- Implemented advanced search capabilities with Elasticsearch, including fuzzy search and multi-criteria filtering
- Integrated authentication and authorization using JWT and Casbin
- Implemented caching and object storage using Redis and MinIO
- Optimized indexing and query performance for low-latency Vietnamese text search
- Containerized services with Docker and Docker Compose and deployed on Kubernetes
- Configured CI/CD workflows and automated dependency updates with GitHub Dependabot

Web Scraper
Nov 2023 – present

ANY.RUN Intelligence Scraper

- Developed an automated cybersecurity intelligence scraping system from ANY.RUN using Go
- Extracted and structured malware analysis reports and threat data using Chromedp headless browser automation
- Built data pipelines for cleaning, normalization, and storage of collected datasets
- Implemented fault-tolerant scraping workflows with error handling and rate limiting

Yolo Shop
Oct 2022 – present

Shoe E-commerce Website

- Designed and developed an e-commerce web application for online shoe sales
- Implemented product catalog, order management, and payment workflows
- Built revenue tracking and statistical dashboards for business analytics
- Developed backend services using Ruby on Rails with PostgreSQL database integration
- Implemented interactive frontend features using HTML, CSS and JavaScript
- Optimized database queries and application performance

Certificates

Gemini Certified Educator   Feb 2026
Google for Education

Certificate of English Level B1   Oct 2022
Ho Chi Minh City University of Technology

Global Software Talent   July 2022
FPT Software

Agile & Scrum Training   June 2022
DEK Technologies

Awards

Outstanding Employee of the Year (2025)   Jan 2026
AS Solutions

Outstanding Student of the Program (2019-2023)   Sept 2023
Ho Chi Minh City University of Technology