Dinh Phu Cuong

Full Stack Developer | Node.js • Python • Java • AWS

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Professional Summary

Full Stack Developer experienced in building backend services, APIs, batch-processing systems, and frontend applications for HR, e-commerce, supply-chain, and digital-marketing products. Modernized legacy platforms and deployed services across AWS and Google Cloud using Node.js, Java, Go, Python, React, Next.js, and Angular. Focused on reliable user-facing products, clean architecture, and efficient asynchronous processing.

Career Highlights

Delivered full-stack features across Java Spring Boot, Node.js, TypeScript, Go, and Python backends with React, Next.js, and Angular frontends.

Designed cloud-native services on AWS ECS and Lambda using SQS for asynchronous processing, plus Google Cloud microservices for digital asset workflows.

Modernized a legacy Microsoft Access platform by converting APIs and batch jobs to Python-based AWS Lambda functions while preserving data integrity.

Built data-processing, monitoring, and administrative dashboard capabilities for HR, e-commerce, digital marketing, and vehicle OTA products.

Education

BS **FPT University**, Software Engineer — Ho Chi Minh City, Viet Nam, 2018 – 2022

Experience

FPT Software, Backend Developer — June 2022 – Aug 2026, 4 years 3 months

- Supported a growing service ecosystem by developing and maintaining Node.js and TypeScript microservices, improving modularity and making service changes easier to release.
- Addressed recurring data-processing needs by developing a Python ETL engine, standardizing batch workflows and improving the consistency of downstream data.
- Reduced the operational burden of legacy monolithic services by migrating workloads to AWS Lambda, enabling serverless scaling and more efficient resource usage.
- Improved delivery of frontend workflows by partnering with the Angular team to integrate complex REST APIs, giving users more reliable access to backend capabilities.

Skills

Language: English (Fluent), Vietnamese (Native)

Programming languages: Java, JavaScript, TypeScript, Python, Go

Linux scripting: Bash, Nix

Backend: Java Spring Boot, Node.js (Express), Go, Python (Serverless), REST APIs

Frontend: React, Next.js, Angular, HTML/CSS

Cloud/DevOps: AWS (EC2, ECS, Lambda, S3, RDS, DynamoDB), Docker, CI/CD (AWS Code Pipeline, Jenkins)

Databases: PostgreSQL, MongoDB, Redis

Tools: Git, JIRA, Postman, IaC: AWS CloudFormation

Projects

Human Resource Management 2022 – 2023

- Supported multi-tenant employee and OKR workflows by designing Spring Boot APIs and batch jobs, giving the platform a consistent foundation for core HR operations.
- Separated long-running jobs from user-facing requests by architecting AWS ECS microservices with SQS-based orchestration, enabling asynchronous processing for HR workflows.
- Made complex OKR progress easier to manage by building React dashboard components backed by PostgreSQL, connecting interactive tracking with secure persisted data.

B2B E-Commerce Application 2023 – 2025

- Enabled multi-tenant commerce workflows by designing Spring Boot and Node.js APIs plus batch jobs, supporting transaction processing across the platform.
- Supported transaction processing across multiple tenants by deploying services on AWS ECS with PostgreSQL-based data management.
- Increased operational visibility by developing real-time monitoring services that analyzed commerce activity and platform performance.

Electronics Device Supply Chain Management 2025

- Addressed the scalability and maintenance limits of a Microsoft Access monolith by refactoring APIs and batch jobs into Python-based AWS Lambda functions.
- Improved cloud efficiency by moving legacy workloads to serverless execution, allowing capacity to scale with demand without maintaining always-on application servers.
- Protected business continuity during the on-premise migration by preserving data integrity and validating system performance in the AWS environment.

Digital Marketing Platform Jan 2026 – Mar 2026

- Supported image, video, and product asset workflows by implementing Go APIs and Next.js features, giving marketing teams a unified management experience.
- Built Google Cloud microservices for asset processing, optimization, and distribution, creating a dedicated pipeline for digital asset delivery.
- Implemented batch jobs for digital asset transformation and metadata management, standardizing recurring processing workflows.

Vehicle OTA System May 2026 – July 2026

- Supported vehicle software deployments by engineering AWS Lambda and React components for an OTA update platform.
- Improved fleet operations visibility by developing a React dashboard for real-time update progress and error diagnostics.
- Reduced manual deployment coordination by designing serverless orchestration workflows that automated secure OTA delivery to distributed fleets.

Certifications

- AWS Certified Cloud Practitioner

Hobbies

Maintain a self-hosted homelab with K3s for lightweight Kubernetes orchestration and Grafana for monitoring, using the project to deepen practical skills in container deployment, observability, and infrastructure operations.